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NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
 NEWS 2 Dec 17 The CA Lexicon available in the CAPLUS and CA files
 NEWS 3 Feb 06 Engineering Information Encompass files have new names
 NEWS 4 Feb 16 TOXLINE no longer being updated
 NEWS 5 Apr 23 Search Derwent WPINDEX by chemical structure
 NEWS 6 Apr 23 PRE-1967 REFERENCES NOW SEARCHABLE IN CAPLUS AND CA
 NEWS 7 May 07 DGENE Reload

NEWS EXPRESS May 23 CURRENT WINDOWS VERSION IS V6.0a,
 CURRENT MACINTOSH VERSION IS V5.0C (ENG) AND V5.0JB (JP),
 AND CURRENT DISCOVER FILE IS DATED 06 APRIL 2001
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 NEWS WWW CAS World Wide Web Site (general information)

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FILE 'HOME' ENTERED AT 15:01:28 ON 07 JUN 2001

=> file reg

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.15	0.15

FILE 'REGISTRY' ENTERED AT 15:01:33 ON 07 JUN 2001

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STRUCTURE FILE UPDATES: 6 JUN 2001 HIGHEST RN 339983-69-6
 DICTIONARY FILE UPDATES: 6 JUN 2001 HIGHEST RN 339983-69-6

TSCA INFORMATION NOW CURRENT THROUGH January 11, 2001

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

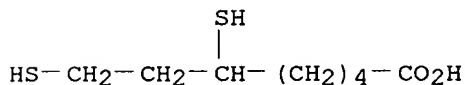
Structure search limits have been increased. See HELP SLIMIT
for details.

=> s lipoic acid

66 LIPOIC
4959213 ACID
L1 61 LIPOIC ACID
(LIPOIC(W)ACID)

=> d 11 61

L1 ANSWER 61 OF 61 REGISTRY COPYRIGHT 2001 ACS
RN 462-20-4 REGISTRY
CN Octanoic acid, 6,8-dimercapto- (8CI, 9CI) (CA INDEX NAME)
OTHER NAMES:
CN .alpha.-Lipoic acid, dihydro-
CN 6,8-Dihydrothioctic acid
CN 6,8-Dimercaptooctanoic acid
CN 6,8-Dithiooctanoic acid
CN Dihydrolipoic acid
CN Dihydrothioctic acid
CN DL-Dihydro-.alpha.-lipoic acid
CN dl-Dihydrolipoic acid
CN Reduced lipoic acid
CN Reduced thioctic acid
CN Thioctic acid, dihydro-
FS 3D CONCORD
DR 7516-48-5
MF C8 H16 O2 S2
CI COM
LC STN Files: AGRICOLA, AIDSLINE, BEILSTEIN*, BIOBUSINESS, BIOSIS,
BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CHEMCATS, CSCHM,
DDFU, DRUGU, EMBASE, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, RTECS*,
TOXLINE, TOXLIT, USPATFULL
(*File contains numerically searchable property data)



347 REFERENCES IN FILE CA (1967 TO DATE)
24 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
348 REFERENCES IN FILE CAPLUS (1967 TO DATE)
10 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

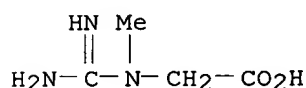
=> s creatine

L2 190 CREATINE

=> d 12 190

L2 ANSWER 190 OF 190 REGISTRY COPYRIGHT 2001 ACS
RN 57-00-1 REGISTRY

CN Glycine, N-(aminoiminomethyl)-N-methyl- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN **Creatine (8CI)**
 OTHER NAMES:
 CN Methylguanidoacetic acid
 CN N-Methyl-N-guanylglycine
 CN Phosphagen
 FS 3D CONCORD
 MF C4 H9 N3 O2
 CI COM
 LC STN Files: AGRICOLA, AIDSLINE, ANABSTR, BEILSTEIN*, BIOBUSINESS,
 BIOSIS,
 BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN,
 CHEMCATS, CHEMLIST, CIN, CSCHEM, DDFU, DETHERM*, DIOGENES, DRUGU,
 EMBASE, GMELIN*, HODOC*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*,
 MSDS-OHS, NAPRALERT, NIOSHTIC, PROMT, SPECINFO, TOXLINE, TOXLIT, TULSA,
 USPATFULL
 (*File contains numerically searchable property data)
 Other Sources: DSL**, EINECS**, TSCA**
 (**Enter CHEMLIST File for up-to-date regulatory information)



2984 REFERENCES IN FILE CA (1967 TO DATE)
 63 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 2986 REFERENCES IN FILE CAPLUS (1967 TO DATE)
 3 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> s glutamine

L3 26099 GLUTAMINE

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	18.82	18.97

FILE 'CAPLUS' ENTERED AT 15:02:41 ON 07 JUN 2001
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FILE COVERS 1947 - 7 Jun 2001 VOL 134 ISS 24
 FILE LAST UPDATED: 6 Jun 2001 (20010606/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

This file supports REGISTRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

CAPLUS now provides online access to patents and literature covered in CA from 1947 to the present. On April 22, 2001, bibliographic information and abstracts were added for over 2.2 million references published in CA from 1947 to 1966.

The CA Lexicon is now available in the Controlled Term (/CT) field. Enter HELP LEXICON for full details.

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=> d his

(FILE 'HOME' ENTERED AT 15:01:28 ON 07 JUN 2001)

FILE 'REGISTRY' ENTERED AT 15:01:33 ON 07 JUN 2001

L1 61 S LIPOIC ACID
L2 190 S CREATINE
L3 26099 S GLUTAMINE

FILE 'CAPLUS' ENTERED AT 15:02:41 ON 07 JUN 2001

=> s l1 or lipoic acid

 3085 L1
 2121 LIPOIC
 2970392 ACID
 2067 LIPOIC ACID
 (LIPOIC(W)ACID)
L4 3943 L1 OR LIPOIC ACID

=> s l2 or creatine

 16157 L2
 20057 CREATINE
L5 23928 L2 OR CREATINE

=> s l3 or glutamine

 53674 L3
 36155 GLUTAMINE
L6 68207 L3 OR GLUTAMINE

=>

=> e athlete

E1 3 ATHLESTATIN/BI
E2 109 ATHLET/BI
E3 967 --> ATHLETE/BI
E4 2222 ATHLETES/BI
E5 2 ATHLETETS/BI
E6 2 ATHLETH/BI
E7 1 ATHLETIATRICS/BI
E8 750 ATHLETIC/BI
E9 2 ATHLETICA/BI
E10 9 ATHLETICALLY/BI
E11 4 ATHLETICISM/BI

E12 70 ATHLETICS/BI

=> s e3 e4 e8

 967 ATHLETE/BI
 93371 BI/BI
 2222 ATHLETES/BI
 93371 BI/BI
 750 ATHLETIC/BI
L7 0 ATHLETE/BI ATHLETES/BI ATHLETIC/BI
 ((ATHLETE(W)BI(W)ATHLETES(W)BI(W)ATHLETIC)/BI)

=> s e3 or 14 or 18

L8 NOT FOUND

The L-number entered could not be found. To see the definition of L-numbers, enter DISPLAY HISTORY at an arrow prompt (=>).

=> e athlete

E1 3 ATHLESTATIN/BI
E2 109 ATHLET/BI
E3 967 --> ATHLETE/BI
E4 2222 ATHLETES/BI
E5 2 ATHLETETS/BI
E6 2 ATHLETH/BI
E7 1 ATHLETIATRICS/BI
E8 750 ATHLETIC/BI
E9 2 ATHLETICA/BI
E10 9 ATHLETICALLY/BI
E11 4 ATHLETICISM/BI
E12 70 ATHLETICS/BI

=> s e3 or e4 or e8

 967 ATHLETE/BI
 2222 ATHLETES/BI
 750 ATHLETIC/BI
L8 3178 ATHLETE/BI OR ATHLETES/BI OR ATHLETIC/BI

=> e muscle

E1 1 MUSCLATURE/BI
E2 2 MUSCLC/BI
E3 234014 --> MUSCLE/BI
E4 3 MUSCLE1/BI
E5 1 MUSCLE8/BI
E6 11 MUSCLEACHE/BI
E7 1 MUSCLEAT/BI
E8 1 MUSCLEB/BI
E9 6 MUSCLEBLIND/BI
E10 2 MUSCLECELL/BI
E11 1 MUSCLECELLS/BI
E12 1 MUSCLECONTRACTING/BI

=> se3

SE3 IS NOT A RECOGNIZED COMMAND

The previous command name entered was not recognized by the system. For a list of commands available to you in the current file, enter "HELP COMMANDS" at an arrow prompt (=>).

=> s e3

L9 234014 MUSCLE/BI

=> e strength

E1	5	STRENGTHENING/BI
E2	3	STRENGTHG/BI
E3	646115 -->	STRENGTH/BI
E4	1	STRENGTH0/BI
E5	1	STRENGTH1034/BI
E6	1	STRENGTH15/BI
E7	1	STRENGTH186/BI
E8	1	STRENGTH29/BI
E9	1	STRENGTH3/BI
E10	1	STRENGTH5/BI
E11	1	STRENGTH75/BI
E12	1	STRENGTH98/BI

=> s e3

L10 646115 STRENGTH/BI

=> s water extracted soy protein

	1669712	WATER
	8200	EXTRACTED
	11844	SOY
	1280461	PROTEIN
L11	0	WATER EXTRACTED SOY PROTEIN (WATER (W) EXTRACTED (W) SOY (W) PROTEIN)

=> s soy protein

	11844	SOY
	1280461	PROTEIN
L12	2548	SOY PROTEIN (SOY (W) PROTEIN)

=> s water extracted

	1669712	WATER
	8200	EXTRACTED
L13	37	WATER EXTRACTED (WATER (W) EXTRACTED)

=> s l12 and l13

L14 0 L12 AND L13

=> e aqueous

E1	1	AQUIOION/BI
E2	3	AQUIORGANO/BI
E3	1 -->	AQUIOUS/BI
E4	3	AQUIPECTEN/BI
E5	1	AQUIPERNYI/BI
E6	1	AQUIPINNATUS/BI
E7	1	AQUIPRO/BI
E8	1	AQUIRABLE/BI
E9	34	AQUIRE/BI
E10	67	AQUIRED/BI
E11	1	AQUIREMENT/BI
E12	16	AQUIRES/BI

=> e aqueous

E1	1	AQUEEZE/BI
E2	1	AQUEFER/BI
E3	0 -->	AQUEIOUS/BI
E4	1	AQUELARRE/BI
E5	1	AQUELCO/BI
E6	2	AQUELLA/BI
E7	1	AQUENCHED/BI
E8	4	AQUENOUS/BI
E9	1	AQUENS/BI
E10	4	AQUENT/BI
E11	1	AQUENTE/BI
E12	2	AQUENTIC/BI

=> e soluble

E1	4	SOLUBIZING/BI
E2	1	SOLUBLIC/BI
E3	63297 -->	SOLUBLE/BI
E4	1	SOLUBLEASH/BI
E5	1	SOLUBLECOLLAGEN/BI
E6	2	SOLUBLED/BI
E7	1	SOLUBLEIN/BI
E8	1	SOLUBLEIZER/BI
E9	1	SOLUBLEIZERS/BI
E10	1	SOLUBLENESS/BI
E11	1	SOLUBLEPROTEIN/BI
E12	1	SOLUBLERIBONUCLEIC/BI

=> s e3

L15 63297 SOLUBLE/BI

=> d his

(FILE 'HOME' ENTERED AT 15:01:28 ON 07 JUN 2001)

FILE 'REGISTRY' ENTERED AT 15:01:33 ON 07 JUN 2001

L1	61 S	LIPOIC ACID
L2	190 S	CREATINE
L3	26099 S	GLUTAMINE

FILE 'CAPLUS' ENTERED AT 15:02:41 ON 07 JUN 2001

L4	3943 S	L1 OR LIPOIC ACID
L5	23928 S	L2 OR CREATINE
L6	68207 S	L3 OR GLUTAMINE
		E ATHLETE
L7	0 S	E3 E4 E8
		E ATHLETE
L8	3178 S	E3 OR E4 OR E8
		E MUSCLE
L9	234014 S	E3
		E STRENGTH
L10	646115 S	E3
L11	0 S	WATER EXTRACTED SOY PROTEIN
L12	2548 S	SOY PROTEIN
L13	37 S	WATER EXTRACTED
L14	0 S	L12 AND L13
		E AQUIOUS
		E AQUEIOUS

E SOLUBLE
L15 63297 S E3

=> s l15 and soy protein

11844 SOY
1280461 PROTEIN
2548 SOY PROTEIN
(SOY(W) PROTEIN)
L16 10 L15 AND SOY PROTEIN

=> d l16 1-10

L16 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2001 ACS
AN 2000:51953 CAPLUS
DN 132:193644
TI The effect on serum lipids and oxidized low-density lipoprotein of
supplementing self-selected low-fat diets with **soluble**-fiber,
soy, and vegetable protein foods
AU Jenkins, David J. A.; Kendall, Cyril W. C.; Vidgen, Edward; Mehling,
Christine C.; Parker, Tina; Seyler, Hilda; Faulkner, Dorothea; Garsetti,
Marcella; Griffin, Larry C.; Agarwal, Sanjiv; Rao, A. Venkat; Cunnane,
Stephen C.; Ryan, Mary Ann; Connelly, Philip W.; Leiter, Lawrence A.;
Vuksan, Vladimir; Josse, Robert
CS Clinical Nutrition and Risk Factor Modification Center and the Department
of Medicine, Division of Endocrinology and Metabolism, St. Michael's
Hospital, Toronto, ON, M5C 2T2, Can.
SO Metab., Clin. Exp. (2000), 49(1), 67-72
CODEN: METAJ; ISSN: 0026-0495
PB W. B. Saunders Co.
DT Journal
LA English
RE.CNT 69
RE
(2) Agarwal, S; Lipids 1998, V33, P981 CAPLUS
(3) Allain, C; Clin Chem 1974, V20, P470 CAPLUS
(4) Anderson, J; Am J Clin Nutr 1988, V47, P440 CAPLUS
(6) Anderson, J; N Engl J Med 1995, V333, P276 CAPLUS
(9) Baum, J; Am J Clin Nutr 1998, V68, P545 CAPLUS
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2001 ACS
AN 1999:495335 CAPLUS
DN 131:131546
TI Solid composite particles comprising a liquid amine silicone encapsulated
in a water-**soluble** polymer matrix, preparation method and use
IN Aubay, Eric; Morvan, Mikel; Taquet, Pascal
PA Rhodia Chimie, Fr.
SO PCT Int. Appl., 29 pp.
CODEN: PIXXD2
DT Patent
LA French
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9938911	A1	19990805	WO 1999-FR130	19990122
	W:	AL, AM, AU, AZ, BA, BB, BG, BR, BY, CA, CN, CU, CZ, EE, GD, GE, HR, HU, ID, IL, IN, IS, JP, KG, KP, KR, KZ, LC, LK, LR, LT, LV, MD, MG, MK, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, SL, TJ, TM, TR, TT, UA, US, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI,			

CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

FR 2774382	A1	19990806	FR 1998-1156	19980202
FR 2774382	B1	20000317		
AU 9920619	A1	19990816	AU 1999-20619	19990122

PRAI FR 1998-1156 19980202
 WO 1999-FR130 19990122

RE.CNT 5
 RE
 (1) Eric, A; WO 9839401 A 1998 CAPLUS
 (2) Goldschmidt Ag Th; EP 0097867 A 1984 CAPLUS
 (3) Procter & Gamble; EP 0150867 A 1985 CAPLUS
 (4) Procter & Gamble; EP 0483411 A 1992 CAPLUS
 (5) Unilever Plc; EP 0459821 A 1991 CAPLUS

L16 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2001 ACS
 AN 1999:383003 CAPLUS
 DN 131:18371
 TI Combined effect of vegetable protein (soy) and **soluble** fiber added to a standard cholesterol-lowering diet
 AU Jenkins, David J. A.; Kendall, Cyril W. C.; Mehling, Christine C.; Parker, Tina; Rao, A. Venket; Agarwal, Sanjiv; Novokmet, Renato; Jones, Peter J. H.; Raeini, Mahmoud; Story, Jon A.; Furumoto, Emily; Vidgen, Edward; Griffin, Larry C.; Cunnane, Stephen C.; Ryan, Mary Ann; Connelly, Philip W.
 CS Clinical Nutrition and Risk Factor Modification Center and the Department of Medicine, Division of Endocrinology and Metabolism, St. Michael's Hospital, Toronto, ON, M5C 2T2, Can.
 SO Metab., Clin. Exp. (1999), 48(6), 809-816
 CODEN: METAJ; ISSN: 0026-0495
 PB W. B. Saunders Co.
 DT Journal
 LA English
 RE.CNT 63
 RE
 (1) Alberts, D; J Natl Cancer Inst 1996, V88, P81 CAPLUS
 (3) Anderson, J; Am J Clin Nutr 1988, V47, P440 CAPLUS
 (6) Anderson, J; N Engl J Med 1995, V333, P276 CAPLUS
 (12) Englyst, H; J AOAC 1988, V71, P808 CAPLUS
 (14) Fink, P; J Clin Chem Clin Biochem 1989, V27, P261 CAPLUS
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 4 OF 10 CAPLUS COPYRIGHT 2001 ACS
 AN 1998:608024 CAPLUS
 DN 129:301816
 TI Heat-induced gelation properties of salt-**soluble** muscle proteins as affected by non-meat proteins
 AU McCord, A.; Smyth, A. B.; O'Neill, E. E.
 CS Dept. of Food Chemistry, Univ. College Cork, Cork, Ire.
 SO J. Food Sci. (1998), 63(4), 580-583
 CODEN: JFDSA; ISSN: 0022-1147
 PB Institute of Food Technologists
 DT Journal
 LA English

L16 ANSWER 5 OF 10 CAPLUS COPYRIGHT 2001 ACS
 AN 1995:764024 CAPLUS
 DN 123:142079
 TI Effects of Thermal Treatment of **Soy Protein** Isolate on the Characteristics and Structure-Function Relationship of **Soluble** and Insoluble Fractions
 AU Sorgentini, Delia A.; Wagner, Jorge R.; Anon, Maria Cristina
 CS Facultad de Ciencias Exactas, Universidad Nacional de La Plata, La Plata,

1900, Argent.
SO J. Agric. Food Chem. (1995), 43(9), 2471-9
CODEN: JAFCAU; ISSN: 0021-8561
DT Journal
LA English

L16 ANSWER 6 OF 10 CAPLUS COPYRIGHT 2001 ACS
AN 1986:150881 CAPLUS
DN 104:150881
TI Cold **soluble** protein
IN Ginestet Cusso, Ramon
PA Purina Protein S. A., Spain
SO Span., 14 pp. Addn. to Span. 512,771.
CODEN: SPXXAD
DT Patent
LA Spanish
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	ES 520483	A2	19840516	ES 1983-520483	19830310
	ES 512771	A1	19840101	ES 1982-512771	19820510
PRAI	ES 1982-512771		19820510		

L16 ANSWER 7 OF 10 CAPLUS COPYRIGHT 2001 ACS
AN 1982:404876 CAPLUS
DN 97:4876
TI Availability to rats of zinc from soybean seeds as affected by maturity of
seed, source of dietary protein, and **soluble** phytate
AU Welch, Ross M.; House, William A.
CS US Plant, Soil Nutr. Lab., Agric. Res. Serv., Ithaca, NY, 14853, USA
SO J. Nutr. (1982), 112(5), 879-85
CODEN: JONUAI; ISSN: 0022-3166
DT Journal
LA English

L16 ANSWER 8 OF 10 CAPLUS COPYRIGHT 2001 ACS
AN 1980:42907 CAPLUS
DN 92:42907
TI Water-**soluble** adhesives
IN Daly, Thomas W.; Hoer, Ralph A.; Walsh, James E.; James, Henry T.
PA Ralston Purina Co., USA
SO U.S., 4 pp.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4174975	A	19791120	US 1977-829686	19770901
	CA 1116353	A1	19820119	CA 1978-309740	19780821
PRAI	US 1977-829686		19770901		

L16 ANSWER 9 OF 10 CAPLUS COPYRIGHT 2001 ACS
AN 1973:122901 CAPLUS
DN 78:122901
TI Fate of water **soluble soy protein** during
thermoplastic extrusion
AU Cumming, D. B.; Stanley, D. W.; DeMan, J. M.
CS Dep. Food Sci., Univ. Guelph, Guelph, Ont., Can.
SO J. Food Sci. (1973), 38(2), 320-3
CODEN: JFDSA Z
DT Journal

LA English

L16 ANSWER 10 OF 10 CAPLUS COPYRIGHT 2001 ACS
AN 1973:109546 CAPLUS
DN 78:109546
TI Water-**soluble** plant protein materials
IN Pour-el, Akiva; Swenson, Thomas C.
PA Archer-Daniels-Midland C.
SO U.S., 4 pp.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 3713843	A	19730130	US 1971-203443	19711130
PRAI	US 1969-797669		19690207		

=> d l16 10 all

L16 ANSWER 10 OF 10 CAPLUS COPYRIGHT 2001 ACS
AN 1973:109546 CAPLUS
DN 78:109546
TI Water-**soluble** plant protein materials
IN Pour-el, Akiva; Swenson, Thomas C.
PA Archer-Daniels-Midland C.
SO U.S., 4 pp.
CODEN: USXXAM
DT Patent
LA English
IC A23L; A23J
NCL 099079000
CC 17-2 (Foods)
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 3713843	A	19730130	US 1971-203443	19711130
PRAI	US 1969-797669		19690207		

AB Insol. plant proteins are solubilized to make a clear soln. by treating a dispersion of the plant protein with an acid active enzyme at acid pH with

controlled agitation. The enzyme digests the plant proteins and produces a protein which is .apprx.100% sol. in the reaction medium. Thus, 100 g of Nutrisoy 7-B (**soy protein** flour) is extd. by mixing with about 20 times its wt. in H2O at 96-100°F. Protein is pptd. from the

supernatant at pH 4.75. The washed solid residue is used to make a 3% solids aq. slurry, pH 3.5, to which is added 0.03% (by wt.) of acid fungal

proteinase with stirring. After settling the medium is left for a period of 2 days during which the pH is kept at 2.7-4 by addn. of H3PO4. The slurry is then cooled to 15%, centrifuged, and the solid residue is discarded. The supernatant is freeze-dried to a powd. product. Upon addn. of the powd. product to H2O and adjusting the pH to 2.7-4.75, the proteinaceous material is completely dissolved and forms a clear liq.

when amts. up to 20% of the sol. proteinaceous material are used. Flavored carbonated and non-carbonated beverages can be prepd. using the sol. protein.

ST beverage sol protein
IT Soybean

(proteins, sol. powder from, for beverages)
 IT Beverages
 (soybean protein powder for)
 IT Proteins
 RL: BIOL (Biological study)
 (soybean, water-**soluble** powdered, for beverages)
 IT 534-42-9
 RL: BIOL (Biological study)
 (flavoring material)
 IT 9001-92-7
 RL: BIOL (Biological study)
 (soybean proteins solubilization with)

=> s nutrisoy

L17 21 NUTRISOY

=> s 117 and 18

L18 0 L17 AND L8

=> s 117 and 19

L19 0 L17 AND L9

=> s 117 and 110

L20 1 L17 AND L10

=> d 120 1 all

L20 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2001 ACS

AN 2001:126393 CAPLUS

DN 134:312024

TI Comparative study of physical properties of water-blown rigid polyurethane

foams extended with commercial soy flours

AU Chang, Li-Chung; Xue, Yu; Hsieh, Fu-Hung

CS Aromatic Chemical Industrial Co., Ltd., Taoyuan Hsien, Taiwan

SO J. Appl. Polym. Sci. (2001), 80(1), 10-19

CODEN: JAPNAB; ISSN: 0021-8995

PB John Wiley & Sons, Inc.

DT Journal

LA English

CC 38-3 (Plastics Fabrication and Uses)

Section cross-reference(s): 37

AB The use of renewable resources (mainly carbohydrates) in rigid polyurethane foam has been known to offer several advantages, such as increased **strength**, improved flame resistance, and enhanced biodegradability. Less attention has been directed to inexpensive protein-based materials, such as defatted soy flour. The objectives of this study were to develop water-blown rigid polyurethane foams, contg. defatted soy flour, that have acceptable or improved phys. properties which also lower the cost of the foam formulation and to compare the properties of developed foams extended with three kinds of com. soy flour.

Water-blown low-d. rigid polyurethane foams were prepd. with poly(ether polyol)s, polymeric isocyanates, defatted soy flour, water, a catalyst mixt., and a surfactant. Soy flour and the initial water content were varied from 0 to 40% and from 4.5 to 5.5% of the poly(ether polyol) content, resp. A std. lab. mixing procedure was followed for making foams

using a high-speed industrial mixer. After mixing, the mixt. was poured into boxes and allowed to rise at ambient conditions. Foams were removed from boxes after 1 h and cured at room temp. for 24 h before measurement of the thermal cond. and for 1 wk before other property tests. Foam properties were detd. according to ASTM procedures. Measurement of the phys. properties (compressive **strength**, modulus, thermal cond., and dimensional stability under thermal and humid aging) of these foams showed that the addn. of 10-20% of three kinds of soy flour imparted water-blown rigid polyurethane foams with similar or improved **strength**, modulus, insulation, and dimensional stability.

ST water blown rigid soyflour extended polyurethane foam

IT Compressive **strength**
 Density
 Glass transition temperature
 Mechanical loss
 Thermal aging
 Thermal conductivity
 Volume
 Young's modulus
 (comparative study of phys. properties of water-blown rigid polyurethane foams extended with com. soy flours)

IT Polyurethanes, properties
 RL: PRP (Properties)
 (comparative study of phys. properties of water-blown rigid polyurethane foams extended with com. soy flours)

IT Soybean (Glycine max)
 (flour, Soyafluff 200W, **Nutrisoy** and defatted,; comparative study of phys. properties of water-blown rigid polyurethane foams extended with com. soy flours)

IT Aging, materials
 (humid; comparative study of phys. properties of water-blown rigid polyurethane foams extended with com. soy flours)

IT Flours and Meals
 (soybean, Soyafluff 200W, **Nutrisoy** and defatted,; comparative study of phys. properties of water-blown rigid polyurethane foams extended with com. soy flours)

IT 66629-96-7, PAPI 27-Voranol 490 copolymer
 RL: PRP (Properties)
 (comparative study of phys. properties of water-blown rigid polyurethane foams extended with com. soy flours)

RE.CNT 23

RE

(1) Bailey, F; J Cell Plast 1981, V17, P333 CAPLUS
 (2) Bennett, F; J Cell Plast 1967, V3, P369 CAPLUS
 (3) Benning, C; Plastic Foams: The Physics and Chemistry of Product Performance and Process Technology: Vol II. Structure, Properties, and Applications 1969, P95
 (4) Burnswick, K; Engineering Materials: Properties and Selection, 3rd ed 1989, P52
 (5) Chartoff, R; Assignment of the Glass Transition 1994, P88 CAPLUS
 (6) Cunningham, R; Cell Polym 1986, V5, P327
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 (8) Cunningham, R; J Appl Polym Sci 1992, V44, P1477 CAPLUS
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 (14) Molina, M; Nature 1974, V249, P810 CAPLUS
 (15) Oertel, G; Polyurethane Handbook 1985, P251
 (16) Oertel, G; Polyurethane Handbook, 2nd ed 1993, P73

- (17) Page, M; J Cellular Plastics 1992, V28, P268 CAPLUS
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- (20) Wirpsza, Z; Polyurethanes: Chemistry, Technology, and Applications 1993, P3
- (21) Woods, G; The ICI Polyurethanes Book, 2nd ed 1990, P1
- (22) Yoshida, H; J Appl Polym Sci 1987, V34, P1187 CAPLUS
- (23) Yoshida, H; J Appl Polym Sci 1990, V40, P1819 CAPLUS

=> d his

(FILE 'HOME' ENTERED AT 15:01:28 ON 07 JUN 2001)

FILE 'REGISTRY' ENTERED AT 15:01:33 ON 07 JUN 2001

L1 61 S LIPOIC ACID
L2 190 S CREATINE
L3 26099 S GLUTAMINE

FILE 'CAPLUS' ENTERED AT 15:02:41 ON 07 JUN 2001

L4 3943 S L1 OR LIPOIC ACID
L5 23928 S L2 OR CREATINE
L6 68207 S L3 OR GLUTAMINE
 E ATHLETE
L7 0 S E3 E4 E8
 E ATHLETE
L8 3178 S E3 OR E4 OR E8
 E MUSCLE
L9 234014 S E3
 E STRENGTH
L10 646115 S E3
L11 0 S WATER EXTRACTED SOY PROTEIN
L12 2548 S SOY PROTEIN
L13 37 S WATER EXTRACTED
L14 0 S L12 AND L13
 E AQUIOUS
 E AQUEIOUS
 E SOLUBLE
L15 63297 S E3
L16 10 S L15 AND SOY PROTEIN
L17 21 S NUTRISOY
L18 0 S L17 AND L8
L19 0 S L17 AND L9
L20 1 S L17 AND L10

=> d 117 1-21

L17 ANSWER 1 OF 21 CAPLUS COPYRIGHT 2001 ACS
AN 2001:126393 CAPLUS
DN 134:312024
TI Comparative study of physical properties of water-blown rigid
polyurethane
foams extended with commercial soy flours
AU Chang, Li-Chung; Xue, Yu; Hsieh, Fu-Hung
CS Aromatic Chemical Industrial Co., Ltd., Taoyuan Hsien, Taiwan
SO J. Appl. Polym. Sci. (2001), 80(1), 10-19
CODEN: JAPNAB; ISSN: 0021-8995
PB John Wiley & Sons, Inc.
DT Journal
LA English
RE.CNT 23

RE

- (1) Bailey, F; J Cell Plast 1981, V17, P333 CAPLUS
- (2) Bennett, F; J Cell Plast 1967, V3, P369 CAPLUS
- (5) Chartoff, R; Assignment of the Glass Transition 1994, P88 CAPLUS
- (7) Cunningham, R; Cereal Chem 1991, V68, P258 CAPLUS
- (8) Cunningham, R; J Appl Polym Sci 1992, V44, P1477 CAPLUS

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 2 OF 21 CAPLUS COPYRIGHT 2001 ACS

AN 2000:144872 CAPLUS

DN 132:194525

TI Process for the preparation of C-4 deacetyltaxanes

IN Hanson, Ronald L.; Patel, Ramesh N.

PA Bristol-Myers Squibb Company, USA

SO PCT Int. Appl., 17 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000010989	A1	20000302	WO 1999-US17547	19990803
	W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	AU 9952524	A1	20000314	AU 1999-52524	19990803
PRAI	US 1998-97028	P	19980818		
	US 1999-119938	P	19990212		
	WO 1999-US17547	W	19990803		

OS CASREACT 132:194525

RE.CNT 2

RE

- (1) Durzan; US 5547866 A 1996 CAPLUS
- (2) Hanson; US 5516676 A 1996 CAPLUS

L17 ANSWER 3 OF 21 CAPLUS COPYRIGHT 2001 ACS

AN 1998:211613 CAPLUS

DN 128:294313

TI Response of nutrient digestibilities to feeding diets with low and high levels of soybean trypsin inhibitors in growing pigs

AU Li, Shaoyan; Sauer, Willem C.; Caine, William R.

CS Department of Agricultural, Food and Nutritional Science, University of Alberta, Edmonton, AB, T6G 2P5, Can.

SO J. Sci. Food Agric. (1998), 76(3), 357-363

CODEN: JSFAAE; ISSN: 0022-5142

PB John Wiley & Sons Ltd.

DT Journal

LA English

L17 ANSWER 4 OF 21 CAPLUS COPYRIGHT 2001 ACS

AN 1998:211603 CAPLUS

DN 128:294312

TI Response of pancreatic secretions to feeding diets with low and high levels of soybean trypsin inhibitors in growing pigs

AU Li, Shaoyan; Sauer, Willem C.; Huang, Suxi; Hardin, Robert T.

CS Department of Agricultural, Food and Nutritional Science, University of Alberta, Edmonton, AB, T6G 2P5, Can.

SO J. Sci. Food Agric. (1998), 76(3), 347-356
CODEN: JSFAAE; ISSN: 0022-5142
PB John Wiley & Sons Ltd.
DT Journal
LA English

L17 ANSWER 5 OF 21 CAPLUS COPYRIGHT 2001 ACS
AN 1998:161519 CAPLUS
DN 128:269938
TI Guanidinated protein test meals with higher concentration of soybean
trypsin inhibitors increase ileal recoveries of endogenous amino acids in
pigs
AU Caine, William R.; Sauer, Willem C.; Verstegen, Martin W. A.; Tamminga,
Seerp; Li, Shaoyan; Schulze, Hagen
CS Dep. Animal Nutrition, Wageningen Institute Animal Sciences, Wageningen
Agricultural Univ., Wageningen, 6709 PG, Neth.
SO J. Nutr. (1998), 128(3), 598-605
CODEN: JONUAI; ISSN: 0022-3166
PB American Society for Nutritional Sciences
DT Journal
LA English

L17 ANSWER 6 OF 21 CAPLUS COPYRIGHT 2001 ACS
AN 1992:588187 CAPLUS
DN 117:188187
TI Characteristics of a hydrated, alginate-based delivery system for
cultivation of the button mushroom
AU Romaine, C. P.; Schlaghaufer, B.
CS Dep. Plant Pathol., Pennsylvania State Univ., University Park, PA, 16802,
USA
SO Appl. Environ. Microbiol. (1992), 58(9), 3060-6
CODEN: AEMIDF; ISSN: 0099-2240
DT Journal
LA English

L17 ANSWER 7 OF 21 CAPLUS COPYRIGHT 2001 ACS
AN 1990:422217 CAPLUS
DN 113:22217
TI Antibiotic LL-E19085 alpha
IN Carter, Guy Thomas; Goodman, Joseph Jacob; Labeda, David Paul
PA American Cyanamid Co., USA
SO Eur. Pat. Appl., 13 pp.
CODEN: EPXXDW
DT Patent
LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	EP 353381	A2	19900207	EP 1989-104428	19890313
	EP 353381	A3	19910102		
	R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, NL, SE				
	JP 02149592	A2	19900608	JP 1989-85862	19890406
	US 5096907	A	19920317	US 1991-639496	19910109
	US 5223430	A	19930629	US 1991-783582	19911028
PRAI	US 1988-179357		19880408		
	US 1989-373357		19890629		
	US 1991-639496		19910109		

L17 ANSWER 8 OF 21 CAPLUS COPYRIGHT 2001 ACS
AN 1988:472048 CAPLUS
DN 109:72048
TI Cl-1957e antibiotic and antitumor compound and its production by
fermentation

IN Bunge, Richard H.; French, James C.; Hurley, Timothy R.; Willmer, Neil E.
 PA Warner-Lambert Co., USA
 SO U.S., 12 pp.
 CODEN: USXXAM
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	US 4725621	A	19880216	US 1986-835825	19860303

L17 ANSWER 9 OF 21 CAPLUS COPYRIGHT 2001 ACS

AN 1985:405016 CAPLUS

DN 103:5016

TI Maggiiemycin and anhydromaggiiemycin

IN Pandey, Ramesh C.; Toussaint, Margaret W.; McGuire, Jeffrey C.; Thomas, Monica C.

PA Litton Bionetics, Inc., USA

SO U.S., 15 pp.

CODEN: USXXAM

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	US 4501699	A	19850226	US 1982-438306	19821101

L17 ANSWER 10 OF 21 CAPLUS COPYRIGHT 2001 ACS

AN 1982:67254 CAPLUS

DN 96:67254

TI Antibiotic kristenin

IN Weisenborn, Frank L.; Brown, William E.; Meyers, Edward

PA Squibb, E. R., and Sons, Inc., USA

SO U.S., 4 pp.

CODEN: USXXAM

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	US 4296101	A	19811020	US 1978-877199	19780213

L17 ANSWER 11 OF 21 CAPLUS COPYRIGHT 2001 ACS

AN 1980:127406 CAPLUS

DN 92:127406

TI Soybean products replace expeller-processed soyflour for pollen supplements and substitutes

AU Erickson, Eric H.; Herbert, E. W., Jr.

CS Bee Res. Lab., USDA, Madison, WI, 53706, USA

SO Am. Bee J. (1980), 120(2), 122-6

CODEN: ABJOAS; ISSN: 0002-7626

DT Journal

LA English

L17 ANSWER 12 OF 21 CAPLUS COPYRIGHT 2001 ACS

AN 1978:578084 CAPLUS

DN 89:178084

TI Polymyxin F

IN Parker, William L.; Meyers, Edward; Nimeck, Maxwell W.; Brown, William E.

PA Squibb, E. R., and Sons, Inc., USA

SO U.S., 5 pp.

CODEN: USXXAM

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	US 4091092	A	19780523	US 1977-761578	19770124
PRAI	US 1976-724886		19760920		

L17 ANSWER 13 OF 21 CAPLUS COPYRIGHT 2001 ACS

AN 1978:119711 CAPLUS

DN 88:119711

TI Evaluation of Wheast, Proflo, oats and seven soybean materials as a source

of protein in a wheat germ-based diet for Heliothis zea

AU Brewer, F. D.; Tidwell, A. L., Jr.

CS Bioenviron. Insect Control Lab., ARS, Stoneville, Miss., USA

SO J. Ga. Entomol. Soc. (1978), 13(1), 7-12

CODEN: GENSAB; ISSN: 0016-8238

DT Journal

LA English

L17 ANSWER 14 OF 21 CAPLUS COPYRIGHT 2001 ACS

AN 1976:120075 CAPLUS

DN 84:120075

TI Gellable protein

IN Pour-El, Akiva; Swenson, Thomas C.

PA USA

SO U.S., 7 pp.

CODEN: USXXAM

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	US 3932672	A	19760113	US 1974-507649	19740919

L17 ANSWER 15 OF 21 CAPLUS COPYRIGHT 2001 ACS

AN 1976:29202 CAPLUS

DN 84:29202

TI Lipolytic enzyme system

IN Feldman, Louis I.; Dooley, J. Gordon

PA Baxter Laboratories, Inc., USA

SO Ger. Offen., 24 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	DE 2515021	A1	19751009	DE 1975-2515021	19750407
	DE 2515021	C2	19830526		
	ZA 7501708	A	19760225	ZA 1975-1708	19750319
	AU 7579424	A1	19760930	AU 1975-79424	19750324
	AU 499232	B2	19790412		
	GB 1486069	A	19770914	GB 1975-13319	19750401
	JP 50142766	A2	19751117	JP 1975-40751	19750403
	JP 57038226	B4	19820814		
	NL 7504019	A	19751010	NL 1975-4019	19750404
	NL 181549	B	19870416		
	NL 181549	C	19870916		
	NO 7501175	A	19751009	NO 1975-1175	19750407
	NO 140524	C	19790926		
	NO 140524	B	19790611		
	SE 7503960	A	19751009	SE 1975-3960	19750407

SE 409405	B	19790820		
FR 2266464	A1	19751031	FR 1975-10700	19750407
FR 2266464	B1	19810612		
DD 117591	C	19760120	DD 1975-185270	19750407
CA 1050909	A1	19790320	CA 1975-223907	19750407
HU 173421	P	19790528	HU 1975-BA3239	19750407
BE 827695	A1	19750731	BE 1975-155199	19750408
FI 7501051	A	19751009	FI 1975-1051	19750408
FI 58714	B	19801231		
FI 58714	C	19810410		
DK 7501502	A	19751009	DK 1975-1502	19750408
ES 436419	A1	19770701	ES 1975-436419	19750408
PL 94989	P	19770930	PL 1975-179434	19750408
SU 576010	D	19771005	SU 1975-2123718	19750408
CS 188224	P	19790228	CS 1975-2410	19750408
AT 353082	B	19791025	AT 1975-2648	19750408
AT 7502648	A	19790315		
CH 628216	A	19820226	CH 1975-4451	19750408
RO 72845	P	19810817	RO 1975-81929	19750708
AT 7707157	A	19801215	AT 1977-7157	19771007
AT 363305	B	19810727		
SE 7902356	A	19790315	SE 1979-2356	19790315
SE 424598	B	19820802		
SE 424598	C	19821111		
SE 7902357	A	19790315	SE 1979-2357	19790315
SE 430561	B	19831128		
SE 430561	C	19840308		
SE 7902358	A	19790315	SE 1979-2358	19790315
SE 430560	B	19831128		
SE 430560	C	19840308		
PRAI US 1974-458737		19740408		
AT 1975-2648		19750408		

L17 ANSWER 16 OF 21 CAPLUS COPYRIGHT 2001 ACS

AN 1973:109546 CAPLUS

DN 78:109546

TI Water-soluble plant protein materials

IN Pour-el, Akiva; Swenson, Thomas C.

PA Archer-Daniels-Midland C.

SO U.S., 4 pp.

CODEN: USXXAM

DT Patent

LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	---	-----	-----	-----
PI	US 3713843	A	19730130	US 1971-203443	19711130
PRAI	US 1969-797669		19690207		

L17 ANSWER 17 OF 21 CAPLUS COPYRIGHT 2001 ACS

AN 1973:82940 CAPLUS

DN 78:82940

TI Isolation of saramycetin

IN Aszalos, Adorjan; Robison, Robert Selig; Lemanski, Paul Peter; Hrinkevich,

Nicholas

PA Squibb, E. R., and Sons, Inc.

SO Ger. Offen., 13 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	DE 2224145	A1	19730104	DE 1972-2224145	19720517
	NL 7206722	A	19721123	NL 1972-6722	19720518
	BE 783750	A1	19721120	BE 1972-117716	19720519
	FR 2138843	A1	19730105	FR 1972-18156	19720519
	HU 163794	P	19731027	HU 1972-SU737	19720519
	DK 130542	B	19750303	DK 1972-2533	19720519
PRAI	US 1971-145954		19710521		

L17 ANSWER 18 OF 21 CAPLUS COPYRIGHT 2001 ACS

AN 1972:23847 CAPLUS

DN 76:23847

TI Alkaline protease by culturing *Bacillus amyloliquefaciens*

IN Feldman, Louis I.; Delecourt, Robert

PA Baxter Laboratories Inc.

SO Fr., 9 pp.

CODEN: FRXXAK

DT Patent

LA French

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 2049904	A1	19710326	FR 1970-2049904	11111111
PRAI	US 1969-830871		19690605		

L17 ANSWER 19 OF 21 CAPLUS COPYRIGHT 2001 ACS

AN 1972:23798 CAPLUS

DN 76:23798

TI Kundrymycin, a new tumor-inhibitory antibiotic. I. Culture taxonomy, fermentation, and production

AU Bush, J. A.; Cassidy, C. S.; Crook, K. E., Jr.; German, L. B.

CS Bristol Lab. Div., Bristol Myers Co., Syracuse, N. Y., USA

SO J. Antibiot. (1971), 24(3), 143-8

CODEN: JANTAJ

DT Journal

LA English

L17 ANSWER 20 OF 21 CAPLUS COPYRIGHT 2001 ACS

AN 1970:434012 CAPLUS

DN 73:34012

TI Nonbitter soybean protein for food and meat

IN Sair, Louis

PA Griffith Laboratories, Inc.

SO Ger. Offen., 19 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 1812337	B2	19730412	DE 1968-1812337	19681203
	DE 1812337	C3	19731108		
	GB 1225139	A	19710317	GB 1968-1225139	19681213
	NL 6818170	A	19690620	NL 1968-18170	19681218
PRAI	US 1967-691232		19671218		

L17 ANSWER 21 OF 21 CAPLUS COPYRIGHT 2001 ACS

AN 1970:99150 CAPLUS

DN 72:99150

TI Tenebrimycin antibiotics from *Streptomyces*

IN Thompson, Robert Quincy; Stark, William M.; Higgins, Calvin E.

PA Lilly, Eli, and Co.

SO Brit., 20 pp.

CODEN: BRXXAA
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	GB 1178489	A	19700121	GB 1967-15349	19670404
	SU 884575	A3	19811123	SU 1967-1157604	19670510
PRAI	GB 1967-15349		19670404		

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L17 ANSWER 3 OF 21 CAPLUS COPYRIGHT 2001 ACS

AN 1998:211613 CAPLUS

DN 128:294313

TI Response of nutrient digestibilities to feeding diets with low and high levels of soybean trypsin inhibitors in growing pigs

AU Li, Shaoyan; Sauer, Willem C.; Caine, William R.

CS Department of Agricultural, Food and Nutritional Science, University of Alberta, Edmonton, AB, T6G 2P5, Can.

SO J. Sci. Food Agric. (1998), 76(3), 357-363

CODEN: JSFAAE; ISSN: 0022-5142

PB John Wiley & Sons Ltd.

DT Journal

LA English

CC 18-7 (Animal Nutrition)

Section cross-reference(s): 17

AB Studies were carried out to det. the effect of dietary soybean trypsin inhibitor (SBTI) content on nutrient and energy digestibilities in growing

pigs. Six barrows, av. initial body wt. (BW) 47.8 \pm 4.0 kg, were fitted with a simple T-cannula at the distal ileum and fed two diets according to a crossover design. Two maize starch-based diets were formulated to contain 200 g crude protein (CP)/kg from either **Nutrisoy** (a food-grade defatted soy flour) or autoclaved **Nutrisoy**. The contents of SBTI in the **Nutrisoy** and autoclaved **Nutrisoy** diets were 13.4 and 3.0 g/kg, resp. The expt. consisted of two periods of 12 days each. The av. BW at the start of the first and second exptl. periods were 53.3 \pm 3.7 and 61.0 \pm 5.1 kg, resp. The av. BW at the conclusion of the expt. was 71.8 \pm 7.6

kg. The ileal digestibilities of dry matter (DM), org. matter (OM), energy, CP and all amino acids measured were higher ($P < 0.01$) in pigs fed

the autoclaved **Nutrisoy** diet. The energy digestibility increased from 66.0 to 77.9%, and the CP digestibility increased from 37.4

to 77.1%. The increases in ileal digestibilities of the indispensable amino acids ranged from 27.0 (methionine) to 49.2 (leucine) percentage units. The increases in ileal digestibilities of the dispensable amino acids ranged from 30.2 (aspartic acid) to 50.8 (tyrosine) percentage units. The fecal digestibilities of all criteria measured were also higher ($P < 0.01$) in pigs fed the autoclaved **Nutrisoy** diet. Furthermore, there was a greater ($P < 0.01$) net disappearance (g/kg DM intake) of DM, OM, CP, energy and all amino acids in the large intestine of pigs fed the **Nutrisoy** diet. In conclusion, feeding diets contg. high levels of SBTI decreased both ileal and fecal digestibilities of all criteria measured. The formation of SBTI-enzyme complexes is likely to be responsible for the redn. in protein digestion and amino acid absorption.

ST pig protein digestion soybean trypsin inhibitor
 IT Digestibility
 Feed energy
 Intestine
 Nutrients
 Swine
 (response of nutrient digestibilities to feeding diets with low and high levels of soybean trypsin inhibitors in growing pigs)

IT Amino acids, biological studies
 Proteins (general), biological studies
 RL: BPR (Biological process); BIOL (Biological study); PROC (Process)
 (response of nutrient digestibilities to feeding diets with low and high levels of soybean trypsin inhibitors in growing pigs)

IT 9078-38-0, Soybean trypsin inhibitor
 RL: ADV (Adverse effect, including toxicity); BIOL (Biological study)
 (response of nutrient digestibilities to feeding diets with low and high levels of soybean trypsin inhibitors in growing pigs)

L17 ANSWER 4 OF 21 CAPLUS COPYRIGHT 2001 ACS
 AN 1998:211603 CAPLUS
 DN 128:294312
 TI Response of pancreatic secretions to feeding diets with low and high levels of soybean trypsin inhibitors in growing pigs
 AU Li, Shaoyan; Sauer, Willem C.; Huang, Suxi; Hardin, Robert T.
 CS Department of Agricultural, Food and Nutritional Science, University of Alberta, Edmonton, AB, T6G 2P5, Can.
 SO J. Sci. Food Agric. (1998), 76(3), 347-356
 CODEN: JSFAAE; ISSN: 0022-5142
 PB John Wiley & Sons Ltd.
 DT Journal
 LA English
 CC 18-7 (Animal Nutrition)
 Section cross-reference(s): 17

AB Studies were carried out to det. the effect of soybean trypsin inhibitors (SBTI) on exocrine pancreatic secretions in growing pigs. Six barrows with an av. initial body wt. (BW) of 27.1 \pm 1.4 kg were fitted with permanent pancreatic re-entrant cannulas and fed two diets according to a crossover design. Two maize starch-based diets were formulated to contain
 200 g/kg crude protein from either **Nutrisoy** (food grade defatted soy flour) or autoclaved **Nutrisoy**. The concns. of SBTI in **Nutrisoy** and autoclaved **Nutrisoy** diets were 13.4 and 3.0 g/kg, resp. The expt. consisted of two periods of 9 days each. The av. BW at the start of the first and second exptl. periods was 33.5 \pm 2.7 and 37.2 \pm 3.7 kg, resp. The av. BW at the conclusion of the expt. was
 41.8 \pm 3.9 kg. The vol. of pancreatic secretion was higher ($P < 0.01$) when the **Nutrisoy**, as opposed to the autoclaved **Nutrisoy** diet was fed (3804 vs 2634 mL/24 h). The concn. of nitrogen and protein and specific activities (units/L) of amylase, chymotrypsin and trypsin were lower ($P < 0.05$) in pancreatic juice of pigs fed the **Nutrisoy** diet. There were no differences ($P > 0.05$) in the total secretions of nitrogen (g/24 h) and total activities (units/24 h) of amylase, lipase, chymotrypsin and trypsin in pancreatic juice of pigs fed the **Nutrisoy** and autoclaved **Nutrisoy** diets. However, the total secretion of protein was slightly higher (25.7 vs 22.8 g/24 h; $P < 0.05$) in pancreatic juice of pigs fed the autoclaved **Nutrisoy** diet, which corresponded with the increase in the secretion of protein-bound amino acids. There was also an increase in the total secretion of free amino acids in pancreatic juice. These studies show no effect of SBTI on the total enzyme activities in pancreatic juice of growing pigs.

ST pancreas secretion pig feed trypsin inhibitor; soybean trypsin inhibitor

pig pancreas secretion
 IT Pancreatic juice
 Swine
 (response of pancreatic secretions to feeding diets with low and high
 levels of soybean trypsin inhibitors in growing pigs)
 IT Amino acids, biological studies
 Proteins (general), biological studies
 RL: BOC (Biological occurrence); BPR (Biological process); BIOL
 (Biological study); OCCU (Occurrence); PROC (Process)
 (response of pancreatic secretions to feeding diets with low and high
 levels of soybean trypsin inhibitors in growing pigs)
 IT 9078-38-0, Soybean trypsin inhibitor
 RL: ADV (Adverse effect, including toxicity); BIOL (Biological study)
 (response of pancreatic secretions to feeding diets with low and high
 levels of soybean trypsin inhibitors in growing pigs)
 IT 9000-92-4, Amylase 9002-07-7, Trypsin 9004-07-3, Chymotrypsin
 RL: BAC (Biological activity or effector, except adverse); BPR
 (Biological
 process); BIOL (Biological study); PROC (Process)
 (response of pancreatic secretions to feeding diets with low and high
 levels of soybean trypsin inhibitors in growing pigs)
 IT 7727-37-9, Nitrogen, biological studies
 RL: BOC (Biological occurrence); BPR (Biological process); BIOL
 (Biological study); OCCU (Occurrence); PROC (Process)
 (response of pancreatic secretions to feeding diets with low and high
 levels of soybean trypsin inhibitors in growing pigs)

=> defatted soy flour

DEFATTED IS NOT A RECOGNIZED COMMAND

The previous command name entered was not recognized by the system.

For a list of commands available to you in the current file, enter
 "HELP COMMANDS" at an arrow prompt (=>).

=> s defatted soy flour

```

      7632 DEFATTED
     11844 SOY
     28486 FLOUR
L21      100 DEFATTED SOY FLOUR
          (DEFATTED(W) SOY(W) FLOUR)

```

=> s 121 and 18

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L22      0 L21 AND L8

```

=> s 121 and 19

```

L23      0 L21 AND L9

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=> s 121 and 110

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L24      4 L21 AND L10

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=> d 124 1-4

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L24  ANSWER 1 OF 4  CAPLUS  COPYRIGHT 2001 ACS

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AN   2001:126393  CAPLUS

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DN   134:312024

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TI   Comparative study of physical properties of water-blown rigid
polyurethane

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foams extended with commercial soy flours
AU Chang, Li-Chung; Xue, Yu; Hsieh, Fu-Hung
CS Aromatic Chemical Industrial Co., Ltd., Taoyuan Hsien, Taiwan
SO J. Appl. Polym. Sci. (2001), 80(1), 10-19
CODEN: JAPNAB; ISSN: 0021-8995
PB John Wiley & Sons, Inc.
DT Journal
LA English
RE.CNT 23
RE
(1) Bailey, F; J Cell Plast 1981, V17, P333 CAPLUS
(2) Bennett, F; J Cell Plast 1967, V3, P369 CAPLUS
(5) Chartoff, R; Assignment of the Glass Transition 1994, P88 CAPLUS
(7) Cunningham, R; Cereal Chem 1991, V68, P258 CAPLUS
(8) Cunningham, R; J Appl Polym Sci 1992, V44, P1477 CAPLUS
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L24 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2001 ACS
AN 1992:650250 CAPLUS
DN 117:250250
TI Evaluation of economical pasta products prepared from durum
semolina/yellow corn flour/soy flour mixtures. I. Mixing properties,
chemical composition and color components
AU Taha, S. A.; Acs, E.; Sagi, F.
CS Fac. Agric., Zagazig Univ., Zagazig, Egypt
SO Acta Aliment. (1992), 21(2), 153-62
CODEN: ACALDI; ISSN: 0139-3006
DT Journal
LA English

L24 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2001 ACS
AN 1960:3216 CAPLUS
DN 54:3216
OREF 54:769e-f
TI Use of lecithin in production of bread containing **defatted
soy flour** as a protein supplement
AU Adler, L.; Pomeranz, Y.
CS Ministry Commerce and Ind., Haifa, Israel
SO J. Sci. Food Agr. (1959), 10, 449-56
DT Journal
LA Unavailable

L24 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2001 ACS
AN 1955:80011 CAPLUS
DN 49:80011
OREF 49:15107a-b
TI Importance of oxidation on the use of soy flour with high-extraction
wheat
flours
AU Ofelt, C. W.; Smith, Allan K.
CS Northern Utilization Research Lab., Peoria, IL
SO Trans. Am. Assoc. Cereal Chemists (1955), 13, 122-9
DT Journal
LA Unavailable

=> d 124 2 3 all

L24 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2001 ACS
AN 1992:650250 CAPLUS
DN 117:250250
TI Evaluation of economical pasta products prepared from durum

semolina/yellow corn flour/soy flour mixtures: I. Mixing properties, chemical composition and color components

AU Taha, S. A.; Acs, E.; Sagi, F.
 CS Fac. Agric., Zagazig Univ., Zagazig, Egypt
 SO Acta Aliment. (1992), 21(2), 153-62
 CODEN: ACALDI; ISSN: 0139-3006

DT Journal
 LA English
 CC 17-11 (Food and Feed Chemistry)

AB Dry noodle pasta products were prepd. from durum semolina (DS) and from several blends of DS with yellow corn flour (YCF), full fat soy flour (SF) and **defatted soy flour** (DSF). Mixing properties, chem. compn. and color components were examd. Increasing levels of YCF, SF or DSF in blends remarkably increase dough **strength**, stability during mixing, dough development time (DDT), mixograph curve area (CA) and water amt. required for development. Increasing amts. of SF or DSF either alone or in combination with YCF significantly increased total pasta protein, fat, ash, and brownness. DS/YCF blends produced pasta products of lower protein but exhibited the best color sources.

ST pasta quality semolinae corn soybean flour
 IT Pasta
 (compn. and quality of, from durum semolina and yellow corn and soybean flour mixts.)

IT Color
 (of pasta prepd. from durum semolina and yellow corn and soybean flours)

IT Corn
 Soybean
 (flour, pasta from mixed flours contg., compn. and quality of)

IT Wheat
 (T. turgidum, Durum Group, semolina, pasta from mixed flours contg., compn. and quality of)

L24 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2001 ACS
 AN 1960:3216 CAPLUS
 DN 54:3216
 OREF 54:769e-f

TI Use of lecithin in production of bread containing **defatted soy flour** as a protein supplement

AU Adler, L.; Pomeranz, Y.
 CS Ministry Commerce and Ind., Haifa, Israel
 SO J. Sci. Food Agr. (1959), 10, 449-56
 DT Journal
 LA Unavailable
 CC 12 (Foods)

AB Increasing the level of oxidizing agent to the optimum and adding lecithin to the dough maintained loaf vol. and bread-baking quality in bread baked from different types of flour extn. and wheat **strength** mixed with **defatted soy flour** and prepd. without the addn. of sugar and fat. It was possible to obtain good bread from a flour blend contg. up to 10% soy flour. Addn. of shortening (2%) corresponded in effect to lecithin (0.5%).

=> d his

(FILE 'HOME' ENTERED AT 15:01:28 ON 07 JUN 2001)

FILE 'REGISTRY' ENTERED AT 15:01:33 ON 07 JUN 2001
L1 61 S LIPOIC ACID
L2 190 S CREATINE
L3 26099 S GLUTAMINE

FILE 'CAPLUS' ENTERED AT 15:02:41 ON 07 JUN 2001
L4 3943 S L1 OR LIPOIC ACID
L5 23928 S L2 OR CREATINE
L6 68207 S L3 OR GLUTAMINE
E ATHLETE
L7 0 S E3 E4 E8
E ATHLETE
L8 3178 S E3 OR E4 OR E8
E MUSCLE
L9 234014 S E3
E STRENGTH
L10 646115 S E3
L11 0 S WATER EXTRACTED SOY PROTEIN
L12 2548 S SOY PROTEIN
L13 37 S WATER EXTRACTED
L14 0 S L12 AND L13
E AQUIOUS
E AQUEIOUS
E SOLUBLE
L15 63297 S E3
L16 10 S L15 AND SOY PROTEIN
L17 21 S NUTRISOY
L18 0 S L17 AND L8
L19 0 S L17 AND L9
L20 1 S L17 AND L10
L21 100 S DEFATTED SOY FLOUR
L22 0 S L21 AND L8
L23 0 S L21 AND L9
L24 4 S L21 AND L10

=> s l21 and siet

56 SIET
L25 0 L21 AND SIET

=> s l21 and diet

148794 DIET
L26 13 L21 AND DIET

=> s l26 1-13

MISSING OPERATOR L26 1-13

The search profile that was entered contains terms or nested terms that are not separated by a logical operator.

=> d l26 1-13

L26 ANSWER 1 OF 13 CAPLUS COPYRIGHT 2001 ACS
AN 2001:362977 CAPLUS
DN 134:339979
TI Effects of dehulled **defatted soy flour** on
cholesterol metabolism and gastrointestinal physiology in rats
AU Han, Jung-Hee; Kim, Jung-In; Song, Young-Sun
CS Department of Food Science & Nutrition and Food Science Institute, Inje
University, Kimhae, 621-749, S. Korea
SO Hanguk Yonggyang Hakhoechi (2000), 33(4), 395-402

CODEN: HYHJA3; ISSN: 0367-6463
PB Korean Nutrition Society
DT Journal
LA Korean

L26 ANSWER 2 OF 13 CAPLUS COPYRIGHT 2001 ACS
AN 1998:789457 CAPLUS
DN 130:138502
TI Chemical modification of isoflavones in soy foods during cooking and processing
AU Coward, Lori; Smith, Michelle; Kirk, Marion; Barnes, Stephen
CS Department of Pharmacology & Toxicology and the Comprehensive Cancer Center Mass Spectrometry Shared Facility, University of Alabama at Birmingham, Birmingham, AL, USA
SO Am. J. Clin. Nutr. (1998), 68(6, Suppl.), 1486S-1491S
CODEN: AJCNAC; ISSN: 0002-9165
PB American Society for Clinical Nutrition
DT Journal
LA English
RE.CNT 22
RE

(1) Anderson, J; N Engl J Med 1995, V333, P276 CAPLUS
(3) Barnes, S; Diet and cancer:markers, prevention and treatment 1994, P135 CAPLUS
(4) Barnes, S; Dietary phytochemicals and cancer prevention 1996, P87 CAPLUS
(6) Barnes, S; Mutagens and Carcinogens in the diet 1990, P239 CAPLUS
(7) Coward, L; J Agric Food Chem 1993, V41, P1961 CAPLUS
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L26 ANSWER 3 OF 13 CAPLUS COPYRIGHT 2001 ACS
AN 1998:211613 CAPLUS
DN 128:294313
TI Response of nutrient digestibilities to feeding diets with low and high levels of soybean trypsin inhibitors in growing pigs
AU Li, Shaoyan; Sauer, Willem C.; Caine, William R.
CS Department of Agricultural, Food and Nutritional Science, University of Alberta, Edmonton, AB, T6G 2P5, Can.
SO J. Sci. Food Agric. (1998), 76(3), 357-363
CODEN: JSFAAE; ISSN: 0022-5142
PB John Wiley & Sons Ltd.
DT Journal
LA English

L26 ANSWER 4 OF 13 CAPLUS COPYRIGHT 2001 ACS
AN 1998:211603 CAPLUS
DN 128:294312
TI Response of pancreatic secretions to feeding diets with low and high levels of soybean trypsin inhibitors in growing pigs
AU Li, Shaoyan; Sauer, Willem C.; Huang, Suxi; Hardin, Robert T.
CS Department of Agricultural, Food and Nutritional Science, University of Alberta, Edmonton, AB, T6G 2P5, Can.
SO J. Sci. Food Agric. (1998), 76(3), 347-356
CODEN: JSFAAE; ISSN: 0022-5142
PB John Wiley & Sons Ltd.
DT Journal
LA English

L26 ANSWER 5 OF 13 CAPLUS COPYRIGHT 2001 ACS
AN 1996:701248 CAPLUS
DN 126:74139
TI Hypoglycemic effect and protein nutritive quality of soy and methionine-supplemented whole durum pasta products
AU Taha, Sayed A.; Wasif, M. M.

CS Fac. Agriculture, Zagazig Univ., Zagazig, Egypt
 SO Nahrung (1996), 40(5), 281-287
 CODEN: NAHRAR; ISSN: 0027-769X
 PB VCH
 DT Journal
 LA English

L26 ANSWER 6 OF 13 CAPLUS COPYRIGHT 2001 ACS
 AN 1993:538218 CAPLUS
 DN 119:138218
 TI Influence of casein and soy flour proteins on amino acid content in the
 liver of experimental animals
 AU Dudasova, S.; Grancicova, E.
 CS Res. Inst. Hum. Nutr., Bratislava, Czech.
 SO Physiol. Res. (Prague) (1992), 41(6), 411-16
 CODEN: PHRSEJ
 DT Journal
 LA English

L26 ANSWER 7 OF 13 CAPLUS COPYRIGHT 2001 ACS
 AN 1992:20143 CAPLUS
 DN 116:20143
 TI Refeeding after ingestion of diets composed of 10% soybean protein and
 various concentrations of alginates or sodium carrageenans. Effects on
 growth and blood lipids of rats
 AU Mouecoucou, J.; Villaume, C.; Bau, H. M.; Nicolas, J. P.; Mejean, L.
 CS Unite Rech. Mec. Regul. Comportement Alimentaire, INSERM, Nancy, 54000,
 Fr.
 SO Reprod., Nutr., Dev. (1991), 31(4), 377-88
 CODEN: RNDEE5
 DT Journal
 LA French

L26 ANSWER 8 OF 13 CAPLUS COPYRIGHT 2001 ACS
 AN 1990:570629 CAPLUS
 DN 113:170629
 TI Developmental effects and mineral interactions in rats fed textured
 vegetable protein
 AU Welsh, John J.; Rader, Jeanne I.; Collins, Thomas F. X.; Black, Thomas
 N.;
 Rorie, James I.; Koprak, Christine A.
 CS Div. Toxicol. Review, Food and Drug Adm., Washington, DC, 20204, USA
 SO Teratology (1990), 42(1), 67-78
 CODEN: TJADAB; ISSN: 0040-3709
 DT Journal
 LA English

L26 ANSWER 9 OF 13 CAPLUS COPYRIGHT 2001 ACS
 AN 1986:589883 CAPLUS
 DN 105:189883
 TI Bioavailability of zinc to rats as affected by protein source and
 previous
 dietary intake
 AU Stuart, S. Mary; Ketelsen, Sandra Mills; Weaver, Connie M.; Erdman, John
 W., Jr.
 CS Dep. Foods Nutr., Purdue Univ., West Lafayette, IN, 47907, USA
 SO J. Nutr. (1986), 116(8), 1423-31
 CODEN: JONUAI; ISSN: 0022-3166
 DT Journal
 LA English

L26 ANSWER 10 OF 13 CAPLUS COPYRIGHT 2001 ACS
 AN 1985:613562 CAPLUS

DN 103:213562
TI The USDA trypsin inhibitor study. IV. The chronic effects of soy flour
and soy protein isolate on the pancreas in rats after two years
AU Gumbmann, M. R.; Spangler, W. L.; Dugan, G. M.; Rackis, J. J.; Liener, I.
E.
CS West. Reg. Res. Cent., USDA, Berkeley, CA, 94710, USA
SO Qual. Plant. - Plant Foods Hum. Nutr. (1985), 35(3), 275-314
CODEN: QLPLAN; ISSN: 0377-3205
DT Journal
LA English

L26 ANSWER 11 OF 13 CAPLUS COPYRIGHT 2001 ACS
AN 1983:469257 CAPLUS
DN 99:69257
TI Bioavailability of zinc from **defatted soy
flour**, soy hulls and whole eggs as determined by intrinsic and
extrinsic labeling techniques
AU Meyer, Nancy R.; Stuart, Mary A.; Weaver, Connie M.
CS Dep. Foods Nutr., Purdue Univ., West Lafayette, IN, 47907, USA
SO J. Nutr. (1983), 113(6), 1255-64
CODEN: JONUAI; ISSN: 0022-3166
DT Journal
LA English

L26 ANSWER 12 OF 13 CAPLUS COPYRIGHT 2001 ACS
AN 1980:548653 CAPLUS
DN 93:148653
TI Zinc absorption from composite meals. II. Influence of the main protein
source
AU Sandstroem, Brittmarie; Cederblad, Aake
CS Dep. Clin. Nutr., Univ. Goeteborg, Goeteborg, Swed.
SO Am. J. Clin. Nutr. (1980), 33(8), 1778-83
CODEN: AJCNAC; ISSN: 0002-9165
DT Journal
LA English

L26 ANSWER 13 OF 13 CAPLUS COPYRIGHT 2001 ACS
AN 1980:469020 CAPLUS
DN 93:69020
TI Nutritional profile of high-protein cookies
AU Ranhotra, Gur L.
CS Nutr. Res., Am. Inst. Baking, Manhattan, KS, 66502, USA
SO Cereal Foods World (1980), 25(6), 308-9
CODEN: CFWODA; ISSN: 0146-6283
DT Journal
LA English

=> s food suplliment

209206 FOOD
0 SUPLIMENT
L27 0 FOOD SUPLIMENT
(FOOD(W)SUPLIMENT)

=> s food suppliment

209206 FOOD
3 SUPPLIMENT
L28 1 FOOD SUPPLIMENT
(FOOD(W)SUPPLIMENT)

=> s 14 andl15

MISSING OPERATOR L4 ANDLL5

The search profile that was entered contains terms or nested terms that are not separated by a logical operator.

=> s 14 and 15

L29 45 L4 AND L5

=> s 129 and 16

L30 11 L29 AND L6

=> d 129 1-45

L29 ANSWER 1 OF 45 CAPLUS COPYRIGHT 2001 ACS

AN 2001:396297 CAPLUS

TI Potential for **creatine** and other therapies targeting cellular energy dysfunction in neurological disorders

AU Tarnopolsky, Mark A.; Beal, M. Flint

CS Department of Neurology, McMaster University, Hamilton, ON, L8N 3Z5, Can.

SO Ann. Neurol. (2001), 49(5), 561-574

CODEN: ANNED3; ISSN: 0364-5134

PB Wiley-Liss, Inc.

DT Journal

LA English

L29 ANSWER 2 OF 45 CAPLUS COPYRIGHT 2001 ACS

AN 2001:355057 CAPLUS

TI Dimethyl-substituted carboxylic acid compositions for the treatment of blood disorders

IN Perrine, Susan P.

PA USA

SO U.S., 29 pp.

CODEN: USXXAM

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	---	-----	-----	-----
PI	US 6231880	B1	20010515	US 1998-86998	19980529
PRAI	US 1997-48132	P	19970530		

RE.CNT 25

RE

(2) Anderson, D; Cell 1990, V63, P235 CAPLUS

(3) Bernards, R; Nucleic Acids Research 1980, V8(7), P1521 CAPLUS

(4) Burns, L; Blood 1988, V72(5), P1536 CAPLUS

(6) Constantoulakis, P; Blood 1989, V74(6), P1963 CAPLUS

(7) Fibach; Blood 1993, V82(7), P2203 CAPLUS

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L29 ANSWER 3 OF 45 CAPLUS COPYRIGHT 2001 ACS

AN 2001:338345 CAPLUS

DN 134:336228

TI Method using carnitine and an antioxidant for treating benign forgetfulness

IN Hamilton, Nathan

PA Juvenon, Inc., USA

SO PCT Int. Appl., 23 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001032168	A1	20010510	WO 2000-US30571	20001102
	W: CA, JP				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR				
PRAI	US 1999-163352	P	19991103		
	US 2000-223167	P	20000807		

RE.CNT 2

RE

- (1) Cavazza; US 4346107 A 1982 CAPLUS
- (2) Wiegand; US 3810994 A 1974 CAPLUS

L29 ANSWER 4 OF 45 CAPLUS COPYRIGHT 2001 ACS

AN 2001:228740 CAPLUS

DN 134:251564

TI Nutritional supplement for increased energy and stamina

IN Hamilton, Nathan

PA Juvenon Corporation, USA

SO PCT Int. Appl., 19 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001021208	A1	20010329	WO 2000-US24803	20000908
	W: AU, CA, JP				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
PRAI	US 1999-156028	P	19990923		
	US 2000-223465	P	20000807		

RE.CNT 2

RE

- (1) Maxwell; US 6063432 A 2000 CAPLUS
- (2) Rollins; US 6110511 A 2000 CAPLUS

L29 ANSWER 5 OF 45 CAPLUS COPYRIGHT 2001 ACS

AN 2000:897198 CAPLUS

DN 134:81633

TI Complete genome sequence of the alkaliphilic bacterium *Bacillus halodurans*

and genomic sequence comparison with *Bacillus subtilis*

AU Takami, Hideto; Nakasone, Kaoru; Takaki, Yoshihiro; Maeno, Go; Sasaki, Rumie; Masui, Noriaki; Fuji, Fumie; Hirama, Chie; Nakamura, Yuka; Ogasawara, Naotake; Kuhara, Satoru; Horikoshi, Koki

CS Deep-Sea Microorganisms Research Group, Japan Marine Science and Technology Center, Kanagawa, 237-0061, Japan

SO Nucleic Acids Res. (2000), 28(21), 4317-4331

CODEN: NARHAD; ISSN: 0305-1048

PB Oxford University Press

DT Journal

LA English

RE.CNT 32

RE

- (1) Altschul, S; Nucleic Acids Res 1997, V25, P3389 CAPLUS
- (2) Aono, R; Biosci Biotechnol Biochem 1992, V56, P842 CAPLUS
- (3) Aono, R; J Bacteriol 1999, V181, P6600 CAPLUS
- (4) Blattner, F; Science 1997, V277, P1453 CAPLUS
- (5) Bolotin, A; Antonie Van Leeuwenhoek 1999, V76, P27 CAPLUS

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L29 ANSWER 6 OF 45 CAPLUS COPYRIGHT 2001 ACS

AN 2000:749446 CAPLUS

DN 133:286430

TI Pyruvic acid water-soluble and stable formulations

IN Seyerl, Joachim V.

PA SKW Trostberg A.-G., Germany

SO Brit. UK Pat. Appl., 13 pp.

CODEN: BAXXDU

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	GB 2345247	A1	20000705	GB 1999-30094	19991220
	DE 19859771	C1	20000824	DE 1998-19859771	19981223
PRAI	DE 1998-19859771	A	19981223		

L29 ANSWER 7 OF 45 CAPLUS COPYRIGHT 2001 ACS

AN 2000:604732 CAPLUS

DN 133:317516

TI **Lipoic acid** reduces ischemia-reperfusion injury in animal models

AU Freisleben, H.-J.

CS Pascasarjana-Fakultas Kedokteran, Faculty of Medicine, University of Indonesia, Djakarta, 10430, Indonesia

SO Toxicology (2000), 148(2-3), 159-171

CODEN: TXCYAC; ISSN: 0300-483X

PB Elsevier Science Ireland Ltd.

DT Journal

LA English

RE.CNT 59

RE

(1) Alger, J; Quart Rev Biophys 1984, V17, P83 CAPLUS

(2) Assadnazari, H; Arzneim Forsch/Drug Res 1993, V43, P425 CAPLUS

(3) Barbour, R; Biochemistry 1984, V23, P6053 CAPLUS

(6) Bittl, J; J Biol Chem 1985, V260, P3512 CAPLUS

(7) Brindle, K; Prog NMR Spectrosc 1988, V20, P257 CAPLUS

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L29 ANSWER 8 OF 45 CAPLUS COPYRIGHT 2001 ACS

AN 2000:598597 CAPLUS

DN 134:177168

TI Autoantibodies in the sera of patients with rheumatic heart disease: Characterization of myocardial antigens by two-dimensional immunoblotting and N-terminal sequence analysis

AU Tontsch, D.; Pankuweit, S.; Maisch, B.

CS Department of Internal Medicine-Cardiology, Philipps-University of Marburg, Marburg, 35033, Germany

SO Clin. Exp. Immunol. (2000), 121(2), 270-274

CODEN: CEXIAL; ISSN: 0009-9104

PB Blackwell Science Ltd.

DT Journal

LA English

RE.CNT 26

RE

(7) Fussey, S; Proc Natl Acad Sci 1990, V87, P3987 CAPLUS

(9) Heukeshoven, J; Electrophoresis 1985, V6, P103 CAPLUS

(12) Kaplan, M; J Immunol 1963, V90, P595 CAPLUS

(15) Krisher, K; Science 1985, V227, P413 CAPLUS

(21) Manjula, B; Proc Natl Acad Sci 1985, V82, P1064 CAPLUS

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L29 ANSWER 9 OF 45 CAPLUS COPYRIGHT 2001 ACS

AN 2000:165842 CAPLUS
 DN 133:87727
 TI Reduced aldehyde dehydrogenase levels in the brain of patients with Down syndrome
 AU Lubec, G.; Labudova, O.; Cairns, N.; Berndt, P.; Langen, H.; Fountoulakis, M.
 CS Department of Pediatrics, University of Vienna, Vienna, Austria
 SO J. Neural Transm., Suppl. (1999), 57(Molecular Biology of Down Syndrome), 21-40
 CODEN: JNTSD4; ISSN: 0303-6995
 PB Springer-Verlag Wien
 DT Journal
 LA English
 RE.CNT 35
 RE
 (1) Bradford, M; Anal Biochem 1976, V72, P248 CAPLUS
 (2) Busciglio, J; Nature 1995, V378, P776 CAPLUS
 (3) Colzi, A; J Neurochem 1996, V66, P1510 CAPLUS
 (5) Esterbauer, H; Free Radic Biol Med 1991, V11, P81 CAPLUS
 (6) Fountoulakis, M; Anal Biochem 1997, V250, P153 CAPLUS
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L29 ANSWER 10 OF 45 CAPLUS COPYRIGHT 2001 ACS
 AN 2000:144680 CAPLUS
 DN 132:150928
 TI Food supplements comprising **lipoic acid** and **creatine** and methods for their use
 IN Gardiner, Paul T.
 PA Muscletech Research and Development Inc., Can.
 SO PCT Int. Appl., 16 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000010408	A1	20000302	WO 1999-CA772	19990820
	W:				
	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW:				
	GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	US 6136339	A	20001024	US 1998-138136	19980821
	AU 9953666	A1	20000314	AU 1999-53666	19990820
	EP 1093337	A1	20010425	EP 1999-939286	19990820
	R:				
	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
PRAI	CA 1998-2246014	A	19980821		
	US 1998-138136	A	19980821		
	WO 1999-CA772	W	19990820		

RE.CNT 8
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 (1) Anon; <http://store.yahoo.com/athlethengold/inlemandgrap.html> 1999
 (2) Anon; [url:http://physicalenhancement.com/supp/extreme4.html](http://physicalenhancement.com/supp/extreme4.html) 1999
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 (6) Asta Medica AG; EP 0702953 A 1996 CAPLUS
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 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L29 ANSWER 11 OF 45 CAPLUS COPYRIGHT 2001 ACS
 AN 2000:33527 CAPLUS
 DN 132:83671
 TI **Creatine**-containing formulations
 IN Seyerl, Joachim
 PA SKW Trostberg A.-G., Germany
 SO Ger. Offen., 6 pp.
 CODEN: GWXXBX
 DT Patent
 LA German
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 19830768	A1	20000113	DE 1998-19830768	19980709

L29 ANSWER 12 OF 45 CAPLUS COPYRIGHT 2001 ACS
 AN 1999:795994 CAPLUS
 DN 132:31744
 TI Gene probes used for genetic profiling in healthcare screening and planning
 IN Roberts, Gareth Wyn
 PA Genostic Pharma Ltd., UK
 SO PCT Int. Appl., 745 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9964627	A2	19991216	WO 1999-GB1780	19990604
	W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
PRAI	GB 1998-12099	A	19980606		
	GB 1998-13291	A	19980620		
	GB 1998-13611	A	19980624		
	GB 1998-13835	A	19980627		
	GB 1998-14110	A	19980701		
	GB 1998-14580	A	19980707		
	GB 1998-15438	A	19980716		
	GB 1998-15574	A	19980718		
	GB 1998-15576	A	19980718		
	GB 1998-16085	A	19980724		
	GB 1998-16086	A	19980724		
	GB 1998-16921	A	19980805		
	GB 1998-17097	A	19980807		
	GB 1998-17200	A	19980808		
	GB 1998-17632	A	19980814		
	GB 1998-17943	A	19980819		

L29 ANSWER 13 OF 45 CAPLUS COPYRIGHT 2001 ACS
 AN 1999:795993 CAPLUS
 DN 132:31743
 TI Gene probes used for genetic profiling in healthcare screening and planning
 IN Roberts, Gareth Wyn

PA Genostic Pharma Limited, UK
 SO PCT Int. Appl., 149 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9964626	A2	19991216	WO 1999-GB1779	19990604
	W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	AU 9941586	A1	19991230	AU 1999-41586	19990604
	AU 9941587	A1	19991230	AU 1999-41587	19990604
	GB 2339200	A1	20000119	GB 1999-12914	19990604
	EP 1084273	A1	20010321	EP 1999-925207	19990604
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
PRAI	GB 1998-12098	A	19980606		
	GB 1998-28289	A	19981223		
	GB 1998-16086	A	19980724		
	GB 1998-16921	A	19980805		
	GB 1998-17097	A	19980807		
	GB 1998-17200	A	19980808		
	GB 1998-17632	A	19980814		
	GB 1998-17943	A	19980819		
	WO 1999-GB1779	W	19990604		

L29 ANSWER 14 OF 45 CAPLUS COPYRIGHT 2001 ACS

AN 1999:795951 CAPLUS

DN 132:19644

TI compounds containing a hydrophobic moiety and an acidic moiety for stabilizing transient gene expression and improved solid tumor expression model

IN Goffe, Randal A.; Goffe, Adeelia S.

PA Genespan Corp., USA

SO PCT Int. Appl., 83 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9964578	A1	19991216	WO 1999-US12752	19990607
	W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	US 6146847	A	20001114	US 1998-93449	19980608
	AU 9944254	A1	19991230	AU 1999-44254	19990607
	EP 1084237	A1	20010321	EP 1999-927318	19990607
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,				

IE, FI
 PRAI US 1998-93449 A1 19980608
 US 1996-30109 P 19961101
 US 1997-833747 B2 19970411
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 WO 1999-US12752 W 19990607
 OS MARPAT 132:19644
 RE.CNT 4
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- (3) Palmero; Journal of Biotechnology 1991, V19, P35
- (4) Szoka; US 5661025 1997 CAPLUS

L29 ANSWER 15 OF 45 CAPLUS COPYRIGHT 2001 ACS
 AN 1999:659188 CAPLUS
 DN 131:281583

TI Compositions containing a combination of a **creatine** compound and a neuroprotective compound for the treatment of nervous system diseases
 IN Kaddurah-Daouk, Rima; Beal, M. Flint
 PA Avicena Group, Inc., USA; The General Hospital Corporation
 SO PCT Int. Appl., 81 pp.
 CODEN: PIXXD2

DT Patent
 LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9951097	A1	19991014	WO 1999-US7340	19990402
	W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	AU 9933803	A1	19991025	AU 1999-33803	19990402
	EP 1065931	A1	20010110	EP 1999-915245	19990402
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI			

PRAI US 1998-80459 P 19980402
 US 1999-283267 A 19990401
 WO 1999-US7340 W 19990402

OS MARPAT 131:281583

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L29 ANSWER 16 OF 45 CAPLUS COPYRIGHT 2001 ACS
 AN 1999:644019 CAPLUS
 DN 131:346338

TI .alpha.-**Lipoic acid**: effect on glucose uptake, sorbitol pathway, and energy metabolism in experimental diabetic neuropathy

AU Kishi, Yutaka; Schmelzer, James D.; Yao, Jeffrey K.; Zollman, Paula J.;

Nickander, Kim K.; Tritschler, Hans J.; Low, Phillip A.
CS Department of Neurology, Mayo Clinic and Foundation, Rochester, MN,
55905,

USA
SO Diabetes (1999), 48(10), 2045-2051
CODEN: DIAEAZ; ISSN: 0012-1797
PB American Diabetes Association
DT Journal
LA English
RE.CNT 71
RE

(3) Cameron, N; Diabetologia 1994, V37, P449 CAPLUS
(4) Cameron, N; Diabetologia 1998, V41, P390 CAPLUS
(7) Choi, T; Biochem Biophys Res Commun 1989, V164, P375 CAPLUS
(13) Froehner, S; J Neurocytol 1988, V17, P173 CAPLUS
(14) Garvey, W; Science 1989, V245, P60 CAPLUS
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L29 ANSWER 17 OF 45 CAPLUS COPYRIGHT 2001 ACS
AN 1999:188736 CAPLUS
DN 130:309261
TI Gene expression in the desert tortoise, Gopherus agassizi; tissue sources
and buffer optima for the gene products of 73 loci
AU Buth, Donald G.; Rainboth, Walter J.
CS Department of Biology, University of California (UCLA), Los Angeles, CA,
90095-1606, USA
SO Biochem. Syst. Ecol. (1999), 27(2), 185-200
CODEN: BSECBU; ISSN: 0305-1978
PB Elsevier Science Ltd.
DT Journal
LA English
RE.CNT 47
RE

(13) Hoffman, H; Biochem Genet 1976, V14, P59 CAPLUS
(14) Holmes, R; FEBS Lett 1970, V11, P45 CAPLUS
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ALL CITATIONS AVAILABLE IN THE RE FORMAT

L29 ANSWER 18 OF 45 CAPLUS COPYRIGHT 2001 ACS
AN 1999:77453 CAPLUS
DN 130:152854
TI Nutritional composition containing methionine
IN Hageman, Robert Johan Joseph
PA N.V. Nutricia, Neth.
SO PCT Int. Appl., 22 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9903365	A1	19990128	WO 1998-NL408	19980714
	W:				
	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,				
	DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG,				
	KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX,				
	NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT,				
	UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES,				
	FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI,				
	CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	AU 9884658	A1	19990210	AU 1998-84658	19980714

EP 1001685 A1 20000524 EP 1998-935394 19980714
R: AT, BE, CH, DE, DK, FR, GB, LI, NL, SE, FI
PRAI EP 1997-202206 19970714
WO 1998-N
L408 19980714
RE.CNT 5
RE
(1) Bissbort, S; EP 0532369 A 1993 CAPLUS
(2) Gitta Carmen Conway; GB 2292522 A 1996 CAPLUS
(3) Keane, M; US 5215750 A 1993 CAPLUS
(4) Luca, M; EP 0482715 A 1992
(5) Millman, P; EP 0259167 A 1988 CAPLUS

L29 ANSWER 19 OF 45 CAPLUS COPYRIGHT 2001 ACS
AN 1999:64536 CAPLUS
DN 130:124200
TI Nutritional composition containing methionine
IN Hageman, Robert Johan Joseph
PA N.V. Nutricia, Neth.
SO Eur. Pat. Appl., 14 pp.
CODEN: EPXXDW
DT Patent
LA English
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 891719	A1	19990120	EP 1997-202206	19970714
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
	AU 9884658	A1	19990210	AU 1998-84658	19980714
	EP 1001685	A1	20000524	EP 1998-935394	19980714
	R: AT, BE, CH, DE, DK, FR, GB, LI, NL, SE, FI				
PRAI	EP 1997-202206		19970714		
	WO 1998-N				
L408	19980714				
RE.CNT	5				
RE					
	(1) Bissbort, S; EP 0532369 A CAPLUS				
	(2) Gitta, C; GB 2292522 A CAPLUS				
	(3) Keane, M; US 5215750 A CAPLUS				
	(4) Luca, M; EP 0482715 A				
	(5) Millman, P; EP 0259167 A CAPLUS				

two-dimensional electrophoresis

AU Heinke, Monique Y.; Wheeler, Colin H.; Chang, Dennis; Einstein, Rosemarie;
Drake-Holland, Angela; Dunn, Michael J.; Dos Remedios, Cristobal G.

CS Muscel Research Unit, Institute Biomedical Research, University Sydney, Sydney, 2006, Australia

SO Electrophoresis (1998), 19(11), 2021-2030
CODEN: ELCTDN; ISSN: 0173-0835

PB Wiley-VCH Verlag GmbH

DT Journal

LA English

L29 ANSWER 22 OF 45 CAPLUS COPYRIGHT 2001 ACS

AN 1998:601233 CAPLUS

DN 129:313908

TI Genetic diversity of Yunnan local pig breeds inferred from blood protein electrophoresis

AU Hu, Wenping; Lian, Linsheng; Su, Bing; Zhang, Yaping

CS Faculty of Animal Science and Technology, Yunnan Agricultural University, Kunming, 650201, Peop. Rep. China

SO Biochem. Genet. (1998), 36(5/6), 207-212
CODEN: BIGEBA; ISSN: 0006-2928

PB Plenum Publishing Corp.

DT Journal

LA English

L29 ANSWER 23 OF 45 CAPLUS COPYRIGHT 2001 ACS

AN 1998:87900 CAPLUS

DN 128:110617

TI Cardioprotective effects of dihydrolipoic acid and tocopherol in right heart hypertrophy during oxidative stress

AU Thuerich, Thomas; Bereiter-Hahn, Juergen; Schneider, Markward; Zimmer, Guido

CS Gustav-Embsden-Zentrum Biologischen Chemie, Arbeitsgruppe Membranstruktur, Johann Wolfgang Goethe-Univ., Frankfurt/Main, D-60590, Germany

SO Arzneim.-Forsch. (1998), 48(1), 13-21
CODEN: ARZNAD; ISSN: 0004-4172

PB Editio Cantor Verlag

DT Journal

LA English

L29 ANSWER 24 OF 45 CAPLUS COPYRIGHT 2001 ACS

AN 1997:141311 CAPLUS

DN 126:224178

TI Autoantibodies in sera of patients with myocarditis: characterization of the corresponding proteins by isoelectric focusing and N-terminal sequence analysis

AU Pankuweit, Sabine; Portig, Irene; Lottspeich, Friedrich; Maisch, Bernhard

CS Dep. of Internal Medicine-Cardiology, Philipps-University of Marburg, Marburg, D-35043, Germany

SO J. Mol. Cell. Cardiol. (1997), 29(1), 77-84
CODEN: JMCDAY; ISSN: 0022-2828

PB Academic

DT Journal

LA English

L29 ANSWER 25 OF 45 CAPLUS COPYRIGHT 2001 ACS

AN 1995:785739 CAPLUS

DN 123:192813

TI Coelectrophoresis of cardiac tissue from human, dog, rat and mouse: towards the establishment of an integrated two-dimensional protein database

AU Corbett, Joseph M.; Wheeler, Colin H.; Dunn, Michael J.
CS National Heart and Lung Institute, Heart Science Center, Harefield, UB9
6JH, UK
SO Electrophoresis (1995), 16(8), 1524-9
CODEN: ELCTDN; ISSN: 0173-0835
DT Journal
LA English

L29 ANSWER 26 OF 45 CAPLUS COPYRIGHT 2001 ACS
AN 1994:473808 CAPLUS
DN 121:73808
TI Lipoic and dihydrolipoic acids as antioxidants. A critical evaluation
AU Scott, Brigitte C.; Aruoma, Okezie I.; Evans, Patricia J.; O'Neill,
Charles; Van Der Vliet, Albert; Cross, Carroll E.; Tritschler, Hans;
Halliwell, Barry
CS Neurodegenerative Dis. Res. Cent., Univ. London, London, SW3 6LX, UK
SO Free Radical Res. (1994), 20(2), 119-33
CODEN: FRARER; ISSN: 1071-5762
DT Journal
LA English

L29 ANSWER 27 OF 45 CAPLUS COPYRIGHT 2001 ACS
AN 1994:315465 CAPLUS
DN 120:315465
TI Protective effect of **lipoic acid** on biphasic
creatine kinase release from rat heart in early ischemia
reperfusion period
AU Gao, Tianli; Zhang, Ying
CS Dep. Biol., Peking Univ., Beijing, Peop. Rep. China
SO Beijing Daxue Xuebao, Ziran Kexueban (1993), 29(4), 492-7
CODEN: PCTHAP; ISSN: 0479-8023
DT Journal
LA Chinese

L29 ANSWER 28 OF 45 CAPLUS COPYRIGHT 2001 ACS
AN 1994:153741 CAPLUS
DN 120:153741
TI Use of antiretroviral drugs for treatment of motor neuron diseases
IN Westarp, Martin Egon; Kornhuber, Hans Helmut
PA Germany
SO Ger. Offen., 6 pp.
CODEN: GWXXBX
DT Patent
LA German
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 4307883	A1	19930923	DE 1993-4307883	19930312
PRAI	DE 1992-4207863		19920312		

L29 ANSWER 29 OF 45 CAPLUS COPYRIGHT 2001 ACS
AN 1994:152081 CAPLUS
DN 120:152081
TI Collection of enantiomeric separation factors obtained by capillary gas
chromatography on chiral stationary phases
AU Koenig, W. A.
CS Univ. Hamburg, Germany
SO J. High Resolut. Chromatogr. (1993), 16(10), 569-86
CODEN: JHRCE7; ISSN: 0935-6304
DT Journal
LA English

L29 ANSWER 30 OF 45 CAPLUS COPYRIGHT 2001 ACS

AN 1993:400543 CAPLUS
 DN 119:543
 TI Dihydrolipoic acid is protective against reperfusion injury
 AU Freisleben, H. J.; Beyersdorf, F.; Assadnazari, H.; Seewald; Simon, J.;
 Hanselmann, A.; Zimer, G.
 CS Gustav-Embsen-Zent. Biol. Chem., Johann Wolfgang Goethe-Univ.,
 Frankfurt/Main, 6000, Germany
 SO Lipid-Soluble Antioxid. (1992), 515-34. Editor(s): Ong, Augustine S. H.;
 Packer, Lester. Publisher: Birkhaeuser, Basel, Switz.
 CODEN: 58QGAF
 DT Conference
 LA English

L29 ANSWER 31 OF 45 CAPLUS COPYRIGHT 2001 ACS

AN 1993:247305 CAPLUS
 DN 118:247305
 TI Cardioprotective efficiency of dihydrolipoic acid in working rat hearts
 during hypoxia and reoxygenation: phosphorus-31 nuclear magnetic
 resonance
 investigations
 AU Assadnazari, H.; Zimmer, G.; Freisleben, H. J.; Werk, W.; Leibfritz, D.
 CS Gustav-Embsen-Zent. Biol. Chem., Univ. Frankfurt, Frankfurt/Main, Germany
 SO Arzneim.-Forsch. (1993), 43(4), 425-32
 CODEN: ARZNAD; ISSN: 0004-4172
 DT Journal
 LA English

L29 ANSWER 32 OF 45 CAPLUS COPYRIGHT 2001 ACS

AN 1991:160323 CAPLUS
 DN 114:160323
 TI Wholly microfabricated biosensors, and manufacture and use thereof
 IN Cozzette, Stephen N.; Davis, Graham; Itak, Jeanne A.; Lauks, Imants R.;
 Mier, Randall M.; Piznik, Sylvia; Smit, Nicolaas; Steiner, Susan J.; Van
 der Werf, Paul; Wieck, Henry J.
 PA I-Stat Corp., USA
 SO PCT Int. Appl., 195 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	---	-----	-----	-----
PI	WO 9005910	A1	19900531	WO 1989-US5227	19891112
	W: JP, KR				
	RW: AT, BE, CH, DE, FR, GB, IT, LU, NL, SE				
	US 5200051	A	19930406	US 1989-432714	19891107
	EP 442969	A1	19910828	EP 1990-900548	19891113
	R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
	JP 04503249	T2	19920611	JP 1990-500757	19891113
	JP 3105919	B2	20001106		
	CA 2002848	AA	19900514	CA 1989-2002848	19891114
	US 5063081	A	19911105	US 1990-567870	19900815
	US 5212050	A	19930518	US 1990-568441	19900815
	US 5466575	A	19951114	US 1992-943345	19920910
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	US 5837454	A	19981117	US 1995-484095	19950607
	JP 2000065791	A2	20000303	JP 1999-38753	19990217
	JP 3137612	B2	20010226		
PRAI	US 1988-270171	A	19881114		
	US 1989-381223	A	19890713		
	US 1989-432714		19891107		
	JP 1990-500757	A3	19891113		

WO 1989-US5227 W 19891113
 US 1992-943345 A3 19920910
 OS MARPAT 114:160323

L29 ANSWER 33 OF 45 CAPLUS COPYRIGHT 2001 ACS
 AN 1991:138247 CAPLUS
 DN 114:138247
 TI A reagent for reduction of disulfide bonds in proteins that reduces
 disulfide bonds faster than does dithiothreitol
 AU Singh, Rajeeva; Whitesides, George M.
 CS Dep. Chem., Harvard Univ., Cambridge, MA, 02138, USA
 SO J. Org. Chem. (1991), 56(7), 2332-7
 CODEN: JOCEAH; ISSN: 0022-3263
 DT Journal
 LA English

L29 ANSWER 34 OF 45 CAPLUS COPYRIGHT 2001 ACS
 AN 1988:419982 CAPLUS
 DN 109:19982
 TI Biochemical and ultrastructural study of Blastocystis hominis
 AU Zierdt, Charles H.; Donnolley, Caleb T.; Muller, Jacqueline;
 Constantopoulos, George
 CS Clin. Pathol. Dep., NIH, Bethesda, MD, 20892, USA
 SO J. Clin. Microbiol. (1988), 26(5), 965-70
 CODEN: JCMIDW; ISSN: 0095-1137
 DT Journal
 LA English

L29 ANSWER 35 OF 45 CAPLUS COPYRIGHT 2001 ACS
 AN 1987:47390 CAPLUS
 DN 106:47390
 TI A comparison of phylogenies based on structural and tissue-expressional
 differences of enzymes in a family of teleost fishes (Salmoniformes:
 Umbridae)
 AU Kettler, Michelle K.; Ghent, Arthur W.; Whitt, Gregory S.
 CS Dep. Genet. Dev., Univ. Illinois, Urbana, IL, 61801, USA
 SO Mol. Biol. Evol. (1986), 3(6), 485-98
 CODEN: MBEVEO; ISSN: 0737-4038
 DT Journal
 LA English

L29 ANSWER 36 OF 45 CAPLUS COPYRIGHT 2001 ACS
 AN 1984:627351 CAPLUS
 DN 101:227351
 TI Electrophoretic expression of genetic variation and duplicate gene
 activity in vendace, Coregonus albula (Salmonidae)
 AU Vuorinen, Jukka
 CS Dep. Biol., Univ. Joensuu, Joensuu, SF-80101, Finland
 SO Hereditas (Lund, Swed.) (1984), 101(1), 85-96
 CODEN: HEREAY; ISSN: 0018-0661
 DT Journal
 LA English

L29 ANSWER 37 OF 45 CAPLUS COPYRIGHT 2001 ACS
 AN 1982:74638 CAPLUS
 DN 96:74638
 TI Accelerating cellular repair composition for the human body and method of
 administering this composition
 IN Caspe, Saul
 PA USA
 SO U.S., 5 pp.
 CODEN: USXXAM
 DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	---	-----	-----	-----
PI	US 4308257	A	19811229	US 1980-156190	19800603
L29	ANSWER 38 OF 45 CAPLUS COPYRIGHT 2001 ACS				
AN	1981:173200 CAPLUS				
DN	94:173200				
TI	Toward a "bio-energy supplement" - a prototype for functional orthomolecular supplementation				
AU	McCarty, Mark F.				
CS	San Diego, CA, 92116, USA				
SO	Med. Hypotheses (1981), 7(4), 515-38				
	CODEN: MEHYDY; ISSN: 0306-9877				
DT	Journal; General Review				
LA	English				
L29	ANSWER 39 OF 45 CAPLUS COPYRIGHT 2001 ACS				
AN	1981:168619 CAPLUS				
DN	94:168619				
TI	Chemical sympathectomy by 6-hydroxydopamine and arterial enzymes and lactate in the rabbit				
AU	Zemplenyi, T.; Fronek, K.				
CS	Sch. Med., Univ. South California, Los Angeles, CA, 90033, USA				
SO	Exp. Mol. Pathol. (1981), 34(2), 123-30				
	CODEN: EXMPA6; ISSN: 0014-4800				
DT	Journal				
LA	English				
L29	ANSWER 40 OF 45 CAPLUS COPYRIGHT 2001 ACS				
AN	1980:563507 CAPLUS				
DN	93:163507				
TI	Enzyme immobilization by condensation copolymerization into crosslinked polyacrylamide gels				
AU	Pollak, Alfred; Blumenfeld, Hugh; Wax, Michael; Baughn, Richard L.; Whitesides, George M.				
CS	Dep. Chem., Massachusetts Inst. Technol., Cambridge, MA, 02139, USA				
SO	J. Am. Chem. Soc. (1980), 102(20), 6324-36				
	CODEN: JACSAT; ISSN: 0002-7863				
DT	Journal				
LA	English				
L29	ANSWER 41 OF 45 CAPLUS COPYRIGHT 2001 ACS				
AN	1979:608066 CAPLUS				
DN	91:208066				
TI	Skeletal muscle enzyme activities in female subjects of various ages				
AU	Haralambie, G.				
CS	Abt. Leist. Sportmed., Med. Universitaetsklin., Freiburg/Br., Fed. Rep. Ger.				
SO	Bull. Eur. Physiopathol. Respir. (1979), 15(2), 259-68				
	CODEN: BEPRDY; ISSN: 0395-3890				
DT	Journal				
LA	English				
L29	ANSWER 42 OF 45 CAPLUS COPYRIGHT 2001 ACS				
AN	1977:450928 CAPLUS				
DN	87:50928				
TI	Chemical stimulus determinants of cat geniculate ganglion chemoresponsive group I unit discharge				
AU	Boudreau, James C.; Nelson, Thomas E.				
CS	Grad. Sch. Biomed. Sci., Univ. Texas, Houston, Tex., USA				
SO	Chem. Senses Flavor (1977), 2(3), 353-74				

CODEN: CSFLA4
DT Journal
LA English

L29 ANSWER 43 OF 45 CAPLUS COPYRIGHT 2001 ACS
AN 1976:133493 CAPLUS
DN 84:133493
TI Chemical stimulus determinants of cat geniculate ganglion chemoresponsive group II unit discharge
AU Boudreau, James C.; Anderson, William; Oravec, Joseph
CS Grad. Sch. Biomed Sci., Univ. Texas, Houston, Tex., USA
SO Chem. Senses Flavor (1975), 1(4), 495-517
CODEN: CSFLA4
DT Journal
LA English

L29 ANSWER 44 OF 45 CAPLUS COPYRIGHT 2001 ACS
AN 1975:153249 CAPLUS
DN 82:153249
TI Arterial enzymes and their relation to atherosclerosis in pigeons
AU Zemlenyi, Tibor; Rosenstein, Alan J.
CS Sch. Med., Univ. South. California, Los Angeles, Calif., USA
SO Exp. Mol. Pathol. (1975), 22(2), 225-41
CODEN: EXMPA6
DT Journal
LA English

L29 ANSWER 45 OF 45 CAPLUS COPYRIGHT 2001 ACS
AN 1972:523178 CAPLUS
DN 77:123178
TI Enzyme localization in beef heart mitochondria. Biochemical and electron-microscopic study
AU Addink, Albert D. F.; Boer, Pieter; Wakabayashi, Takashi; Green, David E.
CS Inst. Enzyme Res., Univ. Wis., Madison, Wis., USA
SO Eur. J. Biochem. (1972), 29(1), 47-59
CODEN: EJBCAI
DT Journal
LA English

=> d his

(FILE 'HOME' ENTERED AT 15:01:28 ON 07 JUN 2001)

FILE 'REGISTRY' ENTERED AT 15:01:33 ON 07 JUN 2001

L1 61 S LIPOIC ACID
L2 190 S CREATINE
L3 26099 S GLUTAMINE

FILE 'CAPLUS' ENTERED AT 15:02:41 ON 07 JUN 2001

L4 3943 S L1 OR LIPOIC ACID
L5 23928 S L2 OR CREATINE
L6 68207 S L3 OR GLUTAMINE
E ATHLETE
L7 0 S E3 E4 E8
E ATHLETE
L8 3178 S E3 OR E4 OR E8
E MUSCLE
L9 234014 S E3
E STRENGTH
L10 646115 S E3
L11 0 S WATER EXTRACTED SOY PROTEIN

L12 2548 S SOY PROTEIN
 L13 37 S WATER EXTRACTED
 L14 0 S L12 AND L13
 E AQUIOUS
 E AQUEIOUS
 E SOLUBLE
 L15 63297 S E3
 L16 10 S L15 AND SOY PROTEIN
 L17 21 S NUTRISOY
 L18 0 S L17 AND L8
 L19 0 S L17 AND L9
 L20 1 S L17 AND L10
 L21 100 S DEFATTED SOY FLOUR
 L22 0 S L21 AND L8
 L23 0 S L21 AND L9
 L24 4 S L21 AND L10
 L25 0 S L21 AND SIET
 L26 13 S L21 AND DIET
 L27 0 S FOOD SUPLIMENT
 L28 1 S FOOD SUPPLIMENT
 L29 45 S L4 AND L5
 L30 11 S L29 AND L6

=> d 130 1-11

L30 ANSWER 1 OF 11 CAPLUS COPYRIGHT 2001 ACS
 AN 2000:897198 CAPLUS
 DN 134:81633
 TI Complete genome sequence of the alkaliphilic bacterium *Bacillus halodurans* and genomic sequence comparison with *Bacillus subtilis*
 AU Takami, Hideto; Nakasone, Kaoru; Takaki, Yoshihiro; Maeno, Go; Sasaki, Rumie; Masui, Noriaki; Fuji, Fumie; Hirama, Chie; Nakamura, Yuka; Ogasawara, Naotake; Kuhara, Satoru; Horikoshi, Koki
 CS Deep-Sea Microorganisms Research Group, Japan Marine Science and Technology Center, Kanagawa, 237-0061, Japan
 SO Nucleic Acids Res. (2000), 28(21), 4317-4331
 CODEN: NARHAD; ISSN: 0305-1048
 PB Oxford University Press
 DT Journal
 LA English
 RE.CNT 32
 RE
 (1) Altschul, S; Nucleic Acids Res 1997, V25, P3389 CAPLUS
 (2) Aono, R; Biosci Biotechnol Biochem 1992, V56, P842 CAPLUS
 (3) Aono, R; J Bacteriol 1999, V181, P6600 CAPLUS
 (4) Blattner, F; Science 1997, V277, P1453 CAPLUS
 (5) Bolotin, A; Antonie Van Leeuwenhoek 1999, V76, P27 CAPLUS
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L30 ANSWER 2 OF 11 CAPLUS COPYRIGHT 2001 ACS
 AN 2000:749446 CAPLUS
 DN 133:286430
 TI Pyruvic acid water-soluble and stable formulations
 IN Seyerl, Joachim V.
 PA SKW Trostberg A.-G., Germany
 SO Brit. UK Pat. Appl., 13 pp.
 CODEN: BAXXDU
 DT Patent
 LA English
 FAN.CNT 1
 PATENT NO. KIND DATE APPLICATION NO. DATE

PI	GB 2345247	A1	20000705	GB 1999-30094	19991220
	DE 19859771	C1	20000824	DE 1998-19859771	19981223
PRAI	DE 1998-19859771	A	19981223		

L30 ANSWER 3 OF 11 CAPLUS COPYRIGHT 2001 ACS

AN 2000:165842 CAPLUS

DN 133:87727

TI Reduced aldehyde dehydrogenase levels in the brain of patients with Down syndrome

AU Lubec, G.; Labudova, O.; Cairns, N.; Berndt, P.; Langen, H.;

Fountoulakis,

M.

CS Department of Pediatrics, University of Vienna, Vienna, Austria

SO J. Neural Transm., Suppl. (1999), 57(Molecular Biology of Down Syndrome), 21-40

CODEN: JNTSD4; ISSN: 0303-6995

PB Springer-Verlag Wien

DT Journal

LA English

RE.CNT 35

RE

(1) Bradford, M; Anal Biochem 1976, V72, P248 CAPLUS

(2) Busciglio, J; Nature 1995, V378, P776 CAPLUS

(3) Colzi, A; J Neurochem 1996, V66, P1510 CAPLUS

(5) Esterbauer, H; Free Radic Biol Med 1991, V11, P81 CAPLUS

(6) Fountoulakis, M; Anal Biochem 1997, V250, P153 CAPLUS

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L30 ANSWER 4 OF 11 CAPLUS COPYRIGHT 2001 ACS

AN 1999:795994 CAPLUS

DN 132:31744

TI Gene probes used for genetic profiling in healthcare screening and planning

IN Roberts, Gareth Wyn

PA Genostic Pharma Ltd., UK

SO PCT Int. Appl., 745 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9964627	A2	19991216	WO 1999-GB1780	19990604
	W:				
	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ,				
	DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS,				
	JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK,				
	MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ,				
	TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ,				
	MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK,				
	ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG,				
	CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
PRAI	GB 1998-12099	A	19980606		
	GB 1998-13291	A	19980620		
	GB 1998-13611	A	19980624		
	GB 1998-13835	A	19980627		
	GB 1998-14110	A	19980701		
	GB 1998-14580	A	19980707		
	GB 1998-15438	A	19980716		
	GB 1998-15574	A	19980718		
	GB 1998-15576	A	19980718		
	GB 1998-16085	A	19980724		

GB 1998-16086	A	19980724
GB 1998-16921	A	19980805
GB 1998-17097	A	19980807
GB 1998-17200	A	19980808
GB 1998-17632	A	19980814
GB 1998-17943	A	19980819

L30 ANSWER 5 OF 11 CAPLUS COPYRIGHT 2001 ACS

AN 1999:795993 CAPLUS

DN 132:31743

TI Gene probes used for genetic profiling in healthcare screening and planning

IN Roberts, Gareth Wyn

PA Genostic Pharma Limited, UK

SO PCT Int. Appl., 149 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9964626	A2	19991216	WO 1999-GB1779	19990604
	W:		AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM		
	RW:		GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG		
	AU 9941586	A1	19991230	AU 1999-41586	19990604
	AU 9941587	A1	19991230	AU 1999-41587	19990604
	GB 2339200	A1	20000119	GB 1999-12914	19990604
	EP 1084273	A1	20010321	EP 1999-925207	19990604
	R:		AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI		
PRAI	GB 1998-12098	A	19980606		
	GB 1998-28289	A	19981223		
	GB 1998-16086	A	19980724		
	GB 1998-16921	A	19980805		
	GB 1998-17097	A	19980807		
	GB 1998-17200	A	19980808		
	GB 1998-17632	A	19980814		
	GB 1998-17943	A	19980819		
	WO 1999-GB1779	W	19990604		

L30 ANSWER 6 OF 11 CAPLUS COPYRIGHT 2001 ACS

AN 1999:795951 CAPLUS

DN 132:19644

TI compounds containing a hydrophobic moiety and an acidic moiety for stabilizing transient gene expression and improved solid tumor expression model

IN Goffe, Randal A.; Goffe, Adeelia S.

PA Genespan Corp., USA

SO PCT Int. Appl., 83 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9964578	A1	19991216	WO 1999-US12752	19990607

W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ,
DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS,
JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK,
MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ,
TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ,
MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK,
ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG,
CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

US 6146847 A 20001114 US 1998-93449 19980608
AU 9944254 A1 19991230 AU 1999-44254 19990607
EP 1084237 A1 20010321 EP 1999-927318 19990607

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, FI

PRAI US 1998-93449 A1 19980608
US 1996-30109 P 19961101
US 1997-833747 B2 19970411
WO 1997-US19860 A2 19971031
WO 1999-US12752 W 19990607

OS MARPAT 132:19644

RE.CNT 4

RE

(1) Anon; GIBCO BRL Life Technologies 1993-1994 Catalogue and Reference Guide
1993-1994, PR-12

(2) Gorman; DNA Cloning II, A Practical Approach 1985, P143

(3) Palmero; Journal of Biotechnology 1991, V19, P35

(4) Szoka; US 5661025 1997 CAPLUS

L30 ANSWER 7 OF 11 CAPLUS COPYRIGHT 2001 ACS

AN 1999:188736 CAPLUS

DN 130:309261

TI Gene expression in the desert tortoise, *Gopherus agassizi*; tissue sources
and buffer optima for the gene products of 73 loci

AU Buth, Donald G.; Rainboth, Walter J.

CS Department of Biology, University of California (UCLA), Los Angeles, CA,
90095-1606, USA

SO Biochem. Syst. Ecol. (1999), 27(2), 185-200
CODEN: BSECBU; ISSN: 0305-1978

PB Elsevier Science Ltd.

DT Journal

LA English

RE.CNT 47

RE

(13) Hoffman, H; Biochem Genet 1976, V14, P59 CAPLUS

(14) Holmes, R; FEBS Lett 1970, V11, P45 CAPLUS

(16) Karig, L; Biochem Genet 1971, V5, P211 CAPLUS

(25) Murphy, R; Molecular Systematics 2nd ed 1996, P51 CAPLUS

(31) Seddon, J; Mol Phylo Evol 1997, V7, P55 CAPLUS

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L30 ANSWER 8 OF 11 CAPLUS COPYRIGHT 2001 ACS

AN 1999:77453 CAPLUS

DN 130:152854

TI Nutritional composition containing methionine

IN Hageman, Robert Johan Joseph

PA N.V. Nutricia, Neth.

SO PCT Int. Appl., 22 pp.
CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 2

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI WO 9903365 A1 19990128 WO 1998-NL408 19980714
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
AU 9884658 A1 19990210 AU 1998-84658 19980714
EP 1001685 A1 20000524 EP 1998-935394 19980714
R: AT, BE, CH, DE, DK, FR, GB, LI, NL, SE, FI
PRAI EP 1997-202206 19970714
WO 1998-N

L408 19980714

RE.CNT 5

RE

- (1) Bissbort, S; EP 0532369 A 1993 CAPLUS
- (2) Gitta Carmen Conway; GB 2292522 A 1996 CAPLUS
- (3) Keane, M; US 5215750 A 1993 CAPLUS
- (4) Luca, M; EP 0482715 A 1992
- (5) Millman, P; EP 0259167 A 1988 CAPLUS

L30 ANSWER 9 OF 11 CAPLUS COPYRIGHT 2001 ACS
AN 1999:64536 CAPLUS
DN 130:124200
TI Nutritional composition containing methionine
IN Hageman, Robert Johan Joseph
PA N.V. Nutricia, Neth.
SO Eur. Pat. Appl., 14 pp.
CODEN: EPXXDW
DT Patent
LA English
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 891719	A1	19990120	EP 1997-202206	19970714
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
	AU 9884658	A1	19990210	AU 1998-84658	19980714
	EP 1001685	A1	20000524	EP 1998-935394	19980714
	R: AT, BE, CH, DE, DK, FR, GB, LI, NL, SE, FI				
PRAI	EP 1997-202206		19970714		
	WO 1998-N				

L408 19980714

RE.CNT 5

RE

- (1) Bissbort, S; EP 0532369 A CAPLUS
- (2) Gitta, C; GB 2292522 A CAPLUS
- (3) Keane, M; US 5215750 A CAPLUS
- (4) Luca, M; EP 0482715 A
- (5) Millman, P; EP 0259167 A CAPLUS

L30 ANSWER 10 OF 11 CAPLUS COPYRIGHT 2001 ACS
AN 1977:450928 CAPLUS
DN 87:50928
TI Chemical stimulus determinants of cat geniculate ganglion chemoresponsive group I unit discharge
AU Boudreau, James C.; Nelson, Thomas E.
CS Grad. Sch. Biomed. Sci., Univ. Texas, Houston, Tex., USA
SO Chem. Senses Flavor (1977), 2(3), 353-74
CODEN: CSFLA4
DT Journal

LA English

L30 ANSWER 11 OF 11 CAPLUS COPYRIGHT 2001 ACS

AN 1976:133493 CAPLUS

DN 84:133493

TI Chemical stimulus determinants of cat geniculate ganglion chemoresponsive group II unit discharge

AU Boudreau, James C.; Anderson, William; Oravec, Joseph

CS Grad. Sch. Biomed Sci., Univ. Texas, Houston, Tex., USA

SO Chem. Senses Flavor (1975), 1(4), 495-517

CODEN: CSFLA4

DT Journal

LA English

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(FILE 'HOME' ENTERED AT 15:01:28 ON 07 JUN 2001)

FILE 'REGISTRY' ENTERED AT 15:01:33 ON 07 JUN 2001

L1 61 S LIPOIC ACID

L2 190 S CREATINE

L3 26099 S GLUTAMINE

FILE 'CAPLUS' ENTERED AT 15:02:41 ON 07 JUN 2001

L4 3943 S L1 OR LIPOIC ACID

L5 23928 S L2 OR CREATINE

L6 68207 S L3 OR GLUTAMINE

E ATHLETE

L7 0 S E3 E4 E8

E ATHLETE

L8 3178 S E3 OR E4 OR E8

E MUSCLE

L9 234014 S E3

E STRENGTH

L10 646115 S E3

L11 0 S WATER EXTRACTED SOY PROTEIN

L12 2548 S SOY PROTEIN

L13 37 S WATER EXTRACTED

L14 0 S L12 AND L13

E AQUIOUS

E AQUEIOUS

E SOLUBLE

L15 63297 S E3

L16 10 S L15 AND SOY PROTEIN

L17 21 S NUTRISOY

L18 0 S L17 AND L8

L19 0 S L17 AND L9

L20 1 S L17 AND L10

L21 100 S DEFATTED SOY FLOUR

L22 0 S L21 AND L8

L23 0 S L21 AND L9

L24 4 S L21 AND L10

L25 0 S L21 AND SIET

L26 13 S L21 AND DIET

L27 0 S FOOD SUPPLIMENT

L28 1 S FOOD SUPPLIMENT

L29 45 S L4 AND L5

L30 11 S L29 AND L6

=> s l29 and l8

=> d 131 all

L31 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2001 ACS

AN 2000:144680 CAPLUS

DN 132:150928

TI Food supplements comprising **lipoic acid** and **creatine** and methods for their use

IN Gardiner, Paul T.

PA Muscletech Research and Development Inc., Can.

SO PCT Int. Appl., 16 pp.

CODEN: PIXXD2

DT Patent

LA English

IC ICM A23L001-305

ICS A61K031-385; A61K031-195

CC 17-6 (Food and Feed Chemistry)

Section cross-reference(s): 18

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000010408	A1	20000302	WO 1999-CA772	19990820
	W:				
	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW:				
	GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	US 6136339	A	20001024	US 1998-138136	19980821
	AU 9953666	A1	20000314	AU 1999-53666	19990820
	EP 1093337	A1	20010425	EP 1999-939286	19990820
	R:				
	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
PRAI	CA 1998-2246014	A	19980821		
	US 1998-138136	A	19980821		
	WO 1999-CA772	W	19990820		
AB	Food supplement compns. comprise lipoic acid or a deriv. thereof and creatine or a deriv. thereof. The compns. optionally, but preferably, further comprise dextrose. The food supplement compns. are suitable for supplementing the diet of an athlete and particularly for enhancing an athlete's muscle size or strength.				
ST	health food lipoate creatine athlete muscle				
IT	Health food (food supplements comprising lipoic acid and creatine and methods for their use)				
IT	Mineral elements, biological studies RL: FFD (Food or feed use); BIOL (Biological study); USES (Uses) (food supplements comprising lipoic acid and creatine and methods for their use)				
IT	50-81-7, Ascorbic acid, biological studies 50-99-7, Dextrose, biological studies 57-00-1, Creatine 107-35-7, Taurine 1200-22-2, Lipoic acid 6020-87-7, Creatine monohydrate 7439-95-4, Magnesium, biological studies 7440-09-7, Potassium, biological studies 7440-47-3, Chromium, biological studies 7723-14-0, Phosphorus, biological studies 27882-76-4				

RL: FFD (Food or feed use); BIOL (Biological study); USES (Uses)
(food supplements comprising **lipoic acid** and
creatine and methods for their use)

RE.CNT 8

RE

- (1) Anon; <http://store.yahoo.com/athlethengold/inlemandgrap.html> 1999
- (2) Anon; [url:http://physicalenhancement.com/supp/extreme4.html](http://physicalenhancement.com/supp/extreme4.html) 1999
- (3) Anon; [url:http://store.yahoo.com/vitanet/musteccel4po.html](http://store.yahoo.com/vitanet/musteccel4po.html) 1999
- (4) Anon; [url:http://www.netritition.com/cytopro_page.html](http://www.netritition.com/cytopro_page.html) 1999
- (5) Anon; [url:www.maximuscle.com/cyclone.html](http://www.maximuscle.com/cyclone.html) 1998-1999
- (6) Asta Medica AG; EP 0702953 A 1996 CAPLUS
- (7) Asta Medica AG; EP 0812590 A 1997 CAPLUS
- (8) The Nutrasense Company; [url:www.nutrasense.com/nutrasense/creatinemts.html](http://www.nutrasense.com/nutrasense/creatinemts.html) 1999

=> d his

(FILE 'HOME' ENTERED AT 15:01:28 ON 07 JUN 2001)

FILE 'REGISTRY' ENTERED AT 15:01:33 ON 07 JUN 2001

L1 61 S LIPOIC ACID
L2 190 S CREATINE
L3 26099 S GLUTAMINE

FILE 'CAPLUS' ENTERED AT 15:02:41 ON 07 JUN 2001

L4 3943 S L1 OR LIPOIC ACID
L5 23928 S L2 OR CREATINE
L6 68207 S L3 OR GLUTAMINE
E ATHLETE
L7 0 S E3 E4 E8
E ATHLETE
L8 3178 S E3 OR E4 OR E8
E MUSCLE
L9 234014 S E3
E STRENGTH
L10 646115 S E3
L11 0 S WATER EXTRACTED SOY PROTEIN
L12 2548 S SOY PROTEIN
L13 37 S WATER EXTRACTED
L14 0 S L12 AND L13
E AQUIOUS
E AQUEIOUS
E SOLUBLE
L15 63297 S E3
L16 10 S L15 AND SOY PROTEIN
L17 21 S NUTRISOY
L18 0 S L17 AND L8
L19 0 S L17 AND L9
L20 1 S L17 AND L10
L21 100 S DEFATTED SOY FLOUR
L22 0 S L21 AND L8
L23 0 S L21 AND L9
L24 4 S L21 AND L10
L25 0 S L21 AND SIET
L26 13 S L21 AND DIET
L27 0 S FOOD SUPLIMENT
L28 1 S FOOD SUPPLIMENT
L29 45 S L4 AND L5
L30 11 S L29 AND L6
L31 1 S L29 AND L8

=> s 129 and 19

L32 10 L29 AND L9

=> d 132 1-10

L32 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2001 ACS
AN 2001:396297 CAPLUS
TI Potential for **creatine** and other therapies targeting cellular
energy dysfunction in neurological disorders
AU Tarnopolsky, Mark A.; Beal, M. Flint
CS Department of Neurology, McMaster University, Hamilton, ON, L8N 3Z5, Can.
SO Ann. Neurol. (2001), 49(5), 561-574
CODEN: ANNED3; ISSN: 0364-5134
PB Wiley-Liss, Inc.
DT Journal
LA English

L32 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2001 ACS
AN 2000:604732 CAPLUS
DN 133:317516
TI **Lipoic acid** reduces ischemia-reperfusion injury in
animal models
AU Freisleben, H.-J.
CS Pascasarjana-Fakultas Kedokteran, Faculty of Medicine, University of
Indonesia, Djakarta, 10430, Indonesia
SO Toxicology (2000), 148(2-3), 159-171
CODEN: TXCYAC; ISSN: 0300-483X
PB Elsevier Science Ireland Ltd.
DT Journal
LA English
RE.CNT 59
RE

(1) Alger, J; Quart Rev Biophys 1984, V17, P83 CAPLUS
(2) Assadnazari, H; Arzneim Forsch/Drug Res 1993, V43, P425 CAPLUS
(3) Barbour, R; Biochemistry 1984, V23, P6053 CAPLUS
(6) Bittl, J; J Biol Chem 1985, V260, P3512 CAPLUS
(7) Brindle, K; Prog NMR Spectrosc 1988, V20, P257 CAPLUS
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L32 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2001 ACS
AN 2000:144680 CAPLUS
DN 132:150928
TI Food supplements comprising **lipoic acid** and
creatine and methods for their use
IN Gardiner, Paul T.
PA Muscletech Research and Development Inc., Can.
SO PCT Int. Appl., 16 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	----	-----	-----
PI	WO 2000010408	A1	20000302	WO 1999-CA772	19990820
	W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU,				
	CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL,				
	IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD,				
	MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK,				
	SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY,				
	KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK,				

ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG,
 CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
 US 6136339 A 20001024 US 1998-138136 19980821
 AU 9953666 A1 20000314 AU 1999-53666 19990820
 EP 1093337 A1 20010425 EP 1999-939286 19990820
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, LT, LV, FI, RO
 PRAI CA 1998-2246014 A 19980821
 US 1998-138136 A 19980821
 WO 1999-CA772 W 19990820

RE.CNT 8

RE

- (1) Anon; <http://store.yahoo.com/athlethengold/inlemandgrap.html> 1999
 - (2) Anon; [url:http://physicalenhancement.com/supp/extreme4.html](http://physicalenhancement.com/supp/extreme4.html) 1999
 - (3) Anon; [url:http://store.yahoo.com/vitanet/musteccel4po.html](http://store.yahoo.com/vitanet/musteccel4po.html) 1999
 - (6) Asta Medica AG; EP 0702953 A 1996 CAPLUS
 - (7) Asta Medica AG; EP 0812590 A 1997 CAPLUS
- ALL CITATIONS AVAILABLE IN THE RE FORMAT

L32 ANSWER 4 OF 10 CAPLUS COPYRIGHT 2001 ACS

AN 2000:33527 CAPLUS

DN 132:83671

TI **Creatine**-containing formulations

IN Seyerl, Joachim

PA SKW Trostberg A.-G., Germany

SO Ger. Offen., 6 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 19830768	A1	20000113	DE 1998-19830768	19980709

L32 ANSWER 5 OF 10 CAPLUS COPYRIGHT 2001 ACS

AN 1999:795994 CAPLUS

DN 132:31744

TI Gene probes used for genetic profiling in healthcare screening and planning

IN Roberts, Gareth Wyn

PA Genostic Pharma Ltd., UK

SO PCT Int. Appl., 745 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9964627	A2	19991216	WO 1999-GB1780	19990604

W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ,
 DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS,
 JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK,
 MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ,
 TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ,
 MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK,
 ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG,
 CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

PRAI GB 1998-12099 A 19980606
 GB 1998-13291 A 19980620
 GB 1998-13611 A 19980624
 GB 1998-13835 A 19980627
 GB 1998-14110 A 19980701

GB 1998-14580	A	19980707
GB 1998-15438	A	19980716
GB 1998-15574	A	19980718
GB 1998-15576	A	19980718
GB 1998-16085	A	19980724
GB 1998-16086	A	19980724
GB 1998-16921	A	19980805
GB 1998-17097	A	19980807
GB 1998-17200	A	19980808
GB 1998-17632	A	19980814
GB 1998-17943	A	19980819

L32 ANSWER 6 OF 10 CAPLUS COPYRIGHT 2001 ACS

AN 1999:188736 CAPLUS

DN 130:309261

TI Gene expression in the desert tortoise, *Gopherus agassizi*; tissue sources and buffer optima for the gene products of 73 loci

AU Buth, Donald G.; Rainboth, Walter J.

CS Department of Biology, University of California (UCLA), Los Angeles, CA, 90095-1606, USA

SO Biochem. Syst. Ecol. (1999), 27(2), 185-200

CODEN: BSECBU; ISSN: 0305-1978

PB Elsevier Science Ltd.

DT Journal

LA English

RE.CNT 47

RE

(13) Hoffman, H; Biochem Genet 1976, V14, P59 CAPLUS

(14) Holmes, R; FEBS Lett 1970, V11, P45 CAPLUS

(16) Karig, L; Biochem Genet 1971, V5, P211 CAPLUS

(25) Murphy, R; Molecular Systematics 2nd ed 1996, P51 CAPLUS

(31) Seddon, J; Mol Phylo Evol 1997, V7, P55 CAPLUS

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L32 ANSWER 7 OF 10 CAPLUS COPYRIGHT 2001 ACS

AN 1993:400543 CAPLUS

DN 119:543

TI Dihydrolipoic acid is protective against reperfusion injury

AU Freisleben, H. J.; Beyersdorf, F.; Assadnazar, H.; Seewald; Simon, J.; Hanselmann, A.; Zimer, G.

CS Gustav-Embden-Zent. Biol. Chem., Johann Wolfgang Goethe-Univ., Frankfurt/Main, 6000, Germany

SO Lipid-Soluble Antioxid. (1992), 515-34. Editor(s): Ong, Augustine S. H.; Packer, Lester. Publisher: Birkhaeuser, Basel, Switz.

CODEN: 58QGAJ

DT Conference

LA English

L32 ANSWER 8 OF 10 CAPLUS COPYRIGHT 2001 ACS

AN 1987:47390 CAPLUS

DN 106:47390

TI A comparison of phylogenies based on structural and tissue-expressional differences of enzymes in a family of teleost fishes (Salmoniformes: Umbridae)

AU Kettler, Michelle K.; Ghent, Arthur W.; Whitt, Gregory S.

CS Dep. Genet. Dev., Univ. Illinois, Urbana, IL, 61801, USA

SO Mol. Biol. Evol. (1986), 3(6), 485-98

CODEN: MBEVEO; ISSN: 0737-4038

DT Journal

LA English

L32 ANSWER 9 OF 10 CAPLUS COPYRIGHT 2001 ACS

AN 1984:627351 CAPLUS

DN 101:227351
 TI Electrophoretic expression of genetic variation and duplicate gene activity in vendace, *Coregonus albula* (Salmonidae)
 AU Vuorinen, Jukka
 CS Dep. Biol., Univ. Joensuu, Joensuu, SF-80101, Finland
 SO Hereditas (Lund, Swed.) (1984), 101(1), 85-96
 CODEN: HEREAY; ISSN: 0018-0661
 DT Journal
 LA English

L32 ANSWER 10 OF 10 CAPLUS COPYRIGHT 2001 ACS
 AN 1979:608066 CAPLUS
 DN 91:208066
 TI Skeletal **muscle** enzyme activities in female subjects of various ages
 AU Haralambie, G.
 CS Abt. Leist. Sportmed., Med. Universitaetsklin., Freiburg/Br., Fed. Rep. Ger.
 SO Bull. Eur. Physiopathol. Respir. (1979), 15(2), 259-68
 CODEN: BEPRDY; ISSN: 0395-3890
 DT Journal
 LA English

=> s 129 and 110

L33 2 L29 AND L10

=> d 133 1-2 all

L33 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2001 ACS
 AN 2000:144680 CAPLUS
 DN 132:150928
 TI Food supplements comprising **lipoic acid** and **creatine** and methods for their use
 IN Gardiner, Paul T.
 PA Muscletech Research and Development Inc., Can.
 SO PCT Int. Appl., 16 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 IC ICM A23L001-305
 ICS A61K031-385; A61K031-195
 CC 17-6 (Food and Feed Chemistry)
 Section cross-reference(s): 18
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2000010408	A1	20000302	WO 1999-CA772	19990820
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 6136339	A	20001024	US 1998-138136	19980821
AU 9953666	A1	20000314	AU 1999-53666	19990820
EP 1093337	A1	20010425	EP 1999-939286	19990820
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,				

IE, SI, LT, LV, FI, RO
PRAI CA 1998-2246014 A 19980821
US 1998-138136 A 19980821
WO 1999-CA772 W 19990820
AB Food supplement compns. comprise **lipoic acid** or a deriv. thereof and **creatine** or a deriv. thereof. The compns. optionally, but preferably, further comprise dextrose. The food supplement compns. are suitable for supplementing the diet of an athlete and particularly for enhancing an athlete's muscle size or **strength**.
ST health food lipoate **creatine** athlete muscle
IT Health food
(food supplements comprising **lipoic acid** and **creatine** and methods for their use)
IT Mineral elements, biological studies
RL: FFD (Food or feed use); BIOL (Biological study); USES (Uses)
(food supplements comprising **lipoic acid** and **creatine** and methods for their use)
IT 50-81-7, Ascorbic acid, biological studies 50-99-7, Dextrose, biological
studies 57-00-1, **Creatine** 107-35-7, Taurine
1200-22-2, **Lipoic acid** 6020-87-7,
Creatine monohydrate 7439-95-4, Magnesium, biological studies
7440-09-7, Potassium, biological studies 7440-47-3, Chromium, biological
studies 7723-14-0, Phosphorus, biological studies 27882-76-4
RL: FFD (Food or feed use); BIOL (Biological study); USES (Uses)
(food supplements comprising **lipoic acid** and **creatine** and methods for their use)
RE.CNT 8
RE
(1) Anon; <http://store.yahoo.com/athlethengold/inlemandgrap.html> 1999
(2) Anon; [url:http://physicalenhancement.com/supp/extreme4.html](http://physicalenhancement.com/supp/extreme4.html) 1999
(3) Anon; [url:http://store.yahoo.com/vitanet/musteccel4po.html](http://store.yahoo.com/vitanet/musteccel4po.html) 1999
(4) Anon; [url:http://www.netritition.com/cytopro_page.html](http://www.netritition.com/cytopro_page.html) 1999
(5) Anon; [url:www.maximuscle.com/cyclone.html](http://www.maximuscle.com/cyclone.html) 1998-1999
(6) Asta Medica AG; EP 0702953 A 1996 CAPLUS
(7) Asta Medica AG; EP 0812590 A 1997 CAPLUS
(8) The Nutrasense Company; [url:www.nutrasense.com/nutrasense/creatinemts.html](http://www.nutrasense.com/nutrasense/creatinemts.html) 1999
L33 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2001 ACS
AN 2000:33527 CAPLUS
DN 132:83671
TI **Creatine**-containing formulations
IN Seyerl, Joachim
PA SKW Trostberg A.-G., Germany
SO Ger. Offen., 6 pp.
CODEN: GWXXBX
DT Patent
LA German
IC ICM A61K031-195
CC 63-6 (Pharmaceuticals)
Section cross-reference(s): 17
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 19830768	A1	20000113	DE 1998-19830768	19980709

AB Pharmaceutical formulations for treatment of muscular dystrophy and other myopathies, as well as nutritional supplements, are provided which contain
creatine or a salt thereof 0.1-10 g, .gtoreq.1 neurotransmitter or precursor thereof 2 mg-8 g, .alpha.-**lipoic acid** 0.3-3

g, and optionally L-carnitine or a salt thereof 0.8-1 g and/or coenzyme Q10 50-150 mg (all amts. refer to daily doses). **Creatine** contributes to muscle energy metab. through its conversion to phosphocreatine. Neurotransmitters and assocd. compds. such as choline and taurine improve nerve and muscle function; hypericin, an MAO inhibitor, functions as an antidepressant. .alpha.-**Lipoic acid** and L-carnitine act as hypolipemic agents. The formulations synergistically improve muscle **strength** and efficiency in patients with muscular dystrophy or atrophy without side effects. Thus,

a

medicinal tea contained **creatine** pyruvate 5000, carnitine 500, taurine 500, choline 500, .alpha.-**lipoic acid** 500, St. John's wort ext. (contg. 0.3 wt.% hypericin) 300, and sucrose 200 mg.

ST

muscular dystrophy **creatine** neurotransmitter lipoate; atrophy muscular carnitine coenzyme Q10; choline muscular dystrophy

IT

Muscle, disease

Muscular dystrophy

St.-John's-wort (*Hypericum perforatum*)

(**creatine**-contg. formulations)

IT

Neurotransmitters

RL: BAC (Biological activity or effector, except adverse); FFD (Food or feed use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(**creatine**-contg. formulations)

IT

Drug interactions

(synergistic; **creatine**-contg. formulations)

IT

57-00-1, Creatine 60-18-4, L-Tyrosine, biological

studies 62-49-7 107-35-7, Taurine 303-98-0, Coenzyme Q10

541-15-1,

L-Carnitine 548-04-9, Hypericin **1200-22-2**, .alpha.-

Lipoic acid 4350-09-8 6645-46-1, L-Carnitine

hydrochloride 36687-82-8, L-Carnitine tartrate 208535-04-0

220349-64-4, L-Carnitine fumarate, biological studies 253786-77-5,

biological studies

RL: BAC (Biological activity or effector, except adverse); FFD (Food or feed use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(**creatine**-contg. formulations)

=> d his

(FILE 'HOME' ENTERED AT 15:01:28 ON 07 JUN 2001)

FILE 'REGISTRY' ENTERED AT 15:01:33 ON 07 JUN 2001

L1

61 S LIPOIC ACID

L2

190 S CREATINE

L3

26099 S GLUTAMINE

FILE 'CAPLUS' ENTERED AT 15:02:41 ON 07 JUN 2001

L4

3943 S L1 OR LIPOIC ACID

L5

23928 S L2 OR CREATINE

L6

68207 S L3 OR GLUTAMINE

E ATHLETE

L7

0 S E3 E4 E8

E ATHLETE

L8

3178 S E3 OR E4 OR E8

E MUSCLE

L9

234014 S E3

E STRENGTH

L10

646115 S E3

L11

0 S WATER EXTRACTED SOY PROTEIN

L12

2548 S SOY PROTEIN

L13

37 S WATER EXTRACTED

L14 0 S L12 AND L13
 E AQUIOUS
 E AQUEIOUS
 E SOLUBLE
 L15 63297 S E3
 L16 10 S L15 AND SOY PROTEIN
 L17 21 S NUTRISOY
 L18 0 S L17 AND L8
 L19 0 S L17 AND L9
 L20 1 S L17 AND L10
 L21 100 S DEFATTED SOY FLOUR
 L22 0 S L21 AND L8
 L23 0 S L21 AND L9
 L24 4 S L21 AND L10
 L25 0 S L21 AND SIET
 L26 13 S L21 AND DIET
 L27 0 S FOOD SUPLIMENT
 L28 1 S FOOD SUPPLIMENT
 L29 45 S L4 AND L5
 L30 11 S L29 AND L6
 L31 1 S L29 AND L8
 L32 10 S L29 AND L9
 L33 2 S L29 AND L10

=> s 16 and 18

L34 43 L6 AND L8

=> d 134 20-43

L34 ANSWER 20 OF 43 CAPLUS COPYRIGHT 2001 ACS
 AN 1998:706082 CAPLUS
 DN 129:335760
 TI Molecular complex and controlled-release of .alpha.-hydroxy acids
 IN Yu, Ruey J.; Van Scott, Eugene J.
 PA USA
 SO PCT Int. Appl., 83 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9846217	A1	19981022	WO 1998-US7073	19980410
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	US 5877212	A	19990302	US 1997-842603	19970416
	AU 9868939	A1	19981111	AU 1998-68939	19980410
	EP 1009398	A1	20000621	EP 1998-914628	19980410
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
PRAI	US 1997-842603	A2	19970416		
	WO 1998-US7073	W	19980410		

L34 ANSWER 21 OF 43 CAPLUS COPYRIGHT 2001 ACS
 AN 1998:649982 CAPLUS

DN 129:281002
 TI Nutritional supplement for increased muscle size and strength for body
 builders
 IN Gardiner, Paul T.
 PA Can.
 SO U.S., 9 pp.
 CODEN: USXXAM
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	---	-----	-----	-----
PI	US 5817329	A	19981006	US 1997-806124	19970228

L34 ANSWER 22 OF 43 CAPLUS COPYRIGHT 2001 ACS
 AN 1998:458264 CAPLUS
 DN 129:215319
 TI Endurance exercise, immunodepression and **glutamine**: the role of
glutamine in immunodepression after prolonged, exhaustive exercise
 AU Castell, Linda
 CS Cellular Nutrition Research Group, Oxford University, UK
 SO Biochemist (1998), 20(3), 28-31, 33
 CODEN: BCHMFZ; ISSN: 0954-982X
 PB Biochemical Society
 DT Journal; General Review
 LA English

L34 ANSWER 23 OF 43 CAPLUS COPYRIGHT 2001 ACS
 AN 1997:728170 CAPLUS
 DN 128:32960
 TI Role of cysteine and glutathione in HIV infection and other diseases
 associated with muscle wasting and immunological dysfunction
 AU Droge, Wulf; Holm, Eggert
 CS Division of Immunochemistry, Deutsches Krebsforschungszentrum,
 Heidelberg,
 D-69120, Germany
 SO FASEB J. (1997), 11(13), 1077-1089
 CODEN: FAJOEC; ISSN: 0892-6638
 PB Federation of American Societies for Experimental Biology
 DT Journal; General Review
 LA English

L34 ANSWER 24 OF 43 CAPLUS COPYRIGHT 2001 ACS
 AN 1997:561839 CAPLUS
 DN 127:204910
 TI The effects of oral **glutamine** supplementation on
athletes after prolonged, exhaustive exercise
 AU Castell, Linda M.; Newsholme, Eric A.
 CS University Department of Biochemistry, Oxford, OX1 3QU, UK
 SO Nutrition (Tarrytown, N. Y.) (1997), 13(7/8), 738-742
 CODEN: NUTRER; ISSN: 0899-9007
 PB Elsevier
 DT Journal
 LA English

L34 ANSWER 25 OF 43 CAPLUS COPYRIGHT 2001 ACS
 AN 1997:561837 CAPLUS
 DN 127:233533
 TI The proposed role of **glutamine** in some cells of the immune
 system and speculative consequences for the whole animal
 AU Newsholme, Eric A.; Calder, Philip C.
 CS Cellular Nutrition Research Group, Department of Biochemistry, University
 of Oxford, Oxford, UK

SO Nutrition (Tarrytown, N. Y.) (1997), 13(7/8), 728-730
 CODEN: NUTRER; ISSN: 0899-9007
 PB Elsevier
 DT Journal
 LA English

L34 ANSWER 26 OF 43 CAPLUS COPYRIGHT 2001 ACS
 AN 1997:521892 CAPLUS
 DN 127:175799
 TI Leucine supplementation and serum amino acids, testosterone, cortisol and growth hormone in male power **athletes** during training
 AU Mero, A.; Pitkanen, H.; Oja, S. S.; Komi, P. V.; Pontinen, P.; Takala, T.
 CS Department of Biology of Physical Activity, University of Jyvaskyla, Iyvaskyla, 40351, Finland
 SO J. Sports Med. Phys. Fitness (1997), 37(2), 137-145
 CODEN: JMPFA3; ISSN: 0022-4707
 PB Minerva Medica
 DT Journal
 LA English

L34 ANSWER 27 OF 43 CAPLUS COPYRIGHT 2001 ACS
 AN 1997:349446 CAPLUS
 DN 127:32476
 TI Immune response to heavy exertion
 AU Nieman, David C.
 CS Department of Health and Exercise Science, Appalachian State University, Boone, NC, 28608, USA
 SO J. Appl. Physiol. (1997), 82(5), 1385-1394
 CODEN: JAPHEV; ISSN: 8750-7587
 PB American Physiological Society
 DT Journal; General Review
 LA English

L34 ANSWER 28 OF 43 CAPLUS COPYRIGHT 2001 ACS
 AN 1997:283364 CAPLUS
 DN 126:312199
 TI Some aspects of the acute phase response after a marathon race, and the effects of **glutamine** supplementation
 AU Castell, L.M.; Poortmans, J.R.; Leclercq, R.; Brasseur, M.; Duchateau, J.;
 Newsholme, E.A.
 CS Department of Biochemistry, University of Oxford, Oxford, UK
 SO Eur. J. Appl. Physiol. Occup. Physiol. (1997), 75(1), 47-53
 CODEN: EJAPCK; ISSN: 0301-5548
 PB Springer
 DT Journal
 LA English

L34 ANSWER 29 OF 43 CAPLUS COPYRIGHT 2001 ACS
 AN 1996:224342 CAPLUS
 DN 124:285743
 TI Plasma **glutamine** and upper respiratory tract infection during intensified training in swimmers
 AU Mackinnon, Laurel Traeger; Hooper, Sue L.
 CS Department Human Movement Studies, University Queensland, Brisbane, 4072, Australia
 SO Med. Sci. Sports Exercise (1996), 28(3), 285-90
 CODEN: MSPEDA; ISSN: 0195-9131
 DT Journal
 LA English

L34 ANSWER 30 OF 43 CAPLUS COPYRIGHT 2001 ACS
 AN 1995:729044 CAPLUS

DN 123:110788
 TI **Glutamine**-containing ingestible composition
 IN Welbourne, Tomas C.
 PA Research Corporation Technologies, Inc., USA
 SO PCT Int. Appl., 60 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9511019	A1	19950427	WO 1994-US12013	19941020
	W: CA, JP				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
PRAI	US 1993-142535		19931022		

L34 ANSWER 31 OF 43 CAPLUS COPYRIGHT 2001 ACS
 AN 1995:719260 CAPLUS
 DN 123:110790
 TI Energy-supplying dietetic composition, such as for **athletes**.
 IN Urso, Michel
 PA Monaco
 SO Fr. Demande, 7 pp.
 CODEN: FRXXBL
 DT Patent
 LA French
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 2710242	A1	19950331	FR 1994-8547	19940711
	FR 2710242	B3	19951013		
PRAI	LU 1993-88372		19930712		

L34 ANSWER 32 OF 43 CAPLUS COPYRIGHT 2001 ACS
 AN 1995:719259 CAPLUS
 DN 123:110789
 TI Energy-supplying dietetic composition, such as for **athletes**.
 IN Urso, Michel
 PA Monaco
 SO Fr. Demande, 8 pp.
 CODEN: FRXXBL
 DT Patent
 LA French
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 2710241	A1	19950331	FR 1994-8546	19940711
	FR 2710241	B3	19951013		
PRAI	LU 1993-88370		19930712		

L34 ANSWER 33 OF 43 CAPLUS COPYRIGHT 2001 ACS
 AN 1995:702651 CAPLUS
 DN 123:224129
 TI Serum amino acid concentrations in nine **athletes** before and after the 1993 Colmar ultra triathlon
 AU Lehmann, M.; Huonker, M.; Dimeo, F.; Heinz, N.; Gastmann, U.; Treis, N.; Steinacker, J. M.; Keul, J.; Kajewski, R.; Haeussinger, D.
 CS Department of Sports and Performance Medicine, University Medical Hospital, Freiburg, Germany
 SO Int. J. Sports Med. (1995), 16(3), 155-9
 CODEN: IJSMDA; ISSN: 0172-4622
 DT Journal
 LA English

L34 ANSWER 34 OF 43 CAPLUS COPYRIGHT 2001 ACS
 AN 1994:697943 CAPLUS
 DN 121:297943
 TI Exercise-induced changes in blood composition of racing reindeer
 (Rangifer tarandus tarandus L.)
 AU Poesoe, A Reeta; Nieminen, Mauri; Sankari, Satu; soveri, Timo
 CS Dep. Biochem., Coll. Veterinary Medicine, Helsinki, FIN-00581, Finland
 SO Am. J. Physiol. (1994), 267(5, Pt. 2), R1209-R1216
 CODEN: AJPHAP; ISSN: 0002-9513
 DT Journal
 LA English

L34 ANSWER 35 OF 43 CAPLUS COPYRIGHT 2001 ACS
 AN 1994:307159 CAPLUS
 DN 120:307159
 TI Intestinal absorption during rest and exercise: Implications for
 formulating an oral rehydration solution (ORS)
 AU Schedl, Harold P.; Maughan, Ronald J.; Gisolfi, Carl V.
 CS Dep. Exercise Sci. and Intern. Med., Univ. Iowa, Iowa City, IA, 52242,
 USA
 SO Med. Sci. Sports Exercise (1994), 26(3), 267-80
 CODEN: MSPEDA; ISSN: 0195-9131
 DT Journal; General Review
 LA English

L34 ANSWER 36 OF 43 CAPLUS COPYRIGHT 2001 ACS
 AN 1993:648631 CAPLUS
 DN 119:248631
 TI L-Glutamine, anabolic steroids, and muscle protein synthesis
 AU Roufs, James B.
 CS Tyson and Assoc., Inc., Hawthorne, CA, 90250, USA
 SO J. Optim. Nutr. (1993), 2(2), 110-16
 CODEN: JOTNEV; ISSN: 1061-2130
 DT Journal; General Review
 LA English

L34 ANSWER 37 OF 43 CAPLUS COPYRIGHT 2001 ACS
 AN 1992:530400 CAPLUS
 DN 117:130400
 TI Composition comprising monosodium glutamate for use in reducing blood
 lactate and relieving fatigue
 IN Park, Sang C.
 PA Miwon Co., Ltd., S. Korea
 SO U.S., 8 pp. Cont. of U.S. Ser. No. 448,507, abandoned.
 CODEN: USXXAM
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	---	-----	-----	-----
PI	US 5128325	A	19920707	US 1991-796925	19911122
PRAI	US 1989-448507		19891211		

L34 ANSWER 38 OF 43 CAPLUS COPYRIGHT 2001 ACS
 AN 1991:589747 CAPLUS
 DN 115:189747
 TI Pharmaceutical and cosmetic composition containing .alpha.-hydroxy acids,
 .alpha.-keto-acids, and amphoteric agents
 IN Yu, Ruey J.; Van Scott, Eugene J.
 PA USA
 SO Eur. Pat. Appl., 34 pp.

CODEN: EPXXDW
 DT Patent
 LA English
 FAN.CNT 6

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 413528	A1	19910220	EP 1990-308828	19900810
	EP 413528	B1	19951115		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
	US 5091171	A	19920225	US 1989-393749	19890815
	US 5091171	B2	19970715		
	CA 2019273	AA	19910215	CA 1990-2019273	19900619
	AU 9059139	A1	19910221	AU 1990-59139	19900718
	AU 660917	B2	19950713		
	EP 671162	A2	19950913	EP 1995-105358	19900810
	EP 671162	A3	19951227		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
	AT 130187	E	19951215	AT 1990-308828	19900810
	ES 2081936	T3	19960316	ES 1990-308828	19900810
	JP 3016588	B2	20000306	JP 1991-505539	19910121
	US 5385938	A	19950131	US 1992-925877	19920807
	US 5385938	B1	19920807		
	US 5091171	B1	19950926	US 1992-90002911	19921217
	US 5702688	A	19971230	US 1993-135841	19931007
	US 5637615	A	19970610	US 1995-467153	19950606
	US 5643961	A	19970701	US 1995-466737	19950606
	US 5643962	A	19970701	US 1995-466740	19950606
	US 5643952	A	19970701	US 1995-466770	19950606
	US 5643953	A	19970701	US 1995-467156	19950606
	US 5643963	A	19970701	US 1995-471523	19950606
	US 5648395	A	19970715	US 1995-466739	19950606
	US 5648391	A	19970715	US 1995-469812	19950606
	US 5648388	A	19970715	US 1995-471511	19950606
	US 5650436	A	19970722	US 1995-467134	19950606
	US 5650437	A	19970722	US 1995-470060	19950606
	US 5650440	A	19970722	US 1995-471513	19950606
	US 5652267	A	19970729	US 1995-469814	19950606
	US 5654340	A	19970805	US 1995-467989	19950606
	US 5656665	A	19970812	US 1995-466771	19950606
	US 5656666	A	19970812	US 1995-470829	19950606
	US 5670542	A	19970923	US 1995-465700	19950606
	US 5670543	A	19970923	US 1995-471521	19950606
	US 5674899	A	19971007	US 1995-465704	19950606
	US 5674903	A	19971007	US 1995-468079	19950606
	US 5677339	A	19971014	US 1995-466820	19950606
	US 5677340	A	19971014	US 1995-468077	19950606
	US 5716992	A	19980210	US 1995-469811	19950606
	US 5827882	A	19981027	US 1995-465695	19950606
	US 5654336	A	19970805	US 1995-483328	19950607
	US 5681853	A	19971028	US 1995-472317	19950607
	US 5684044	A	19971104	US 1995-472315	19950607
	US 5690967	A	19971125	US 1995-472310	19950607
	AU 9533110	A1	19960215	AU 1995-33110	19951006
	AU 701962	B2	19990211		
	US 6060512	A	20000509	US 1998-185608	19981104
	US 6051609	A	20000418	US 1998-222997	19981230
	US 6191167	B1	20010220	US 1999-255702	19990223
PRAI	US 1989-393749	A	19890815		
	US 1986-945680	B2	19861223		
	US 1990-469738	B1	19900119		
	US 1990-467958	A	19900122		
	EP 1990-308828	A3	19900810		
	WO 1991-US412	W	19910121		

US 1992-840149 B1 19920224
 US 1993-135841 A1 19931007
 US 1997-926030 A1 19970909
 US 1997-998864 A1 19971229
 US 1997-998871 A3 19971229
 US 1998-185608 A1 19981104
 OS MARPAT 115:189747

L34 ANSWER 39 OF 43 CAPLUS COPYRIGHT 2001 ACS
 AN 1990:589171 CAPLUS
 DN 113:189171
 TI Blood antioxidant status and erythrocyte lipid peroxidation following distance running
 AU Duthie, Garry G.; Robertson, John D.; Maughan, Ronald J.; Morrice, Philip C.
 CS Biochem. Div., Rowett Res. Inst., Bucksburn/Aberdeen, AB2 9SB, UK
 SO Arch. Biochem. Biophys. (1990), 282(1), 78-83
 CODEN: ABBIA4; ISSN: 0003-9861
 DT Journal
 LA English

L34 ANSWER 40 OF 43 CAPLUS COPYRIGHT 2001 ACS
 AN 1990:558719 CAPLUS
 DN 113:158719
 TI Pharmaceutical compositions containing minerals in bioavailable form, and their use
 IN Fahim, Mostafa S.
 PA USA
 SO U.S., 7 pp.
 CODEN: USXXAM
 DT Patent
 LA English
 FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4937234	A	19900626	US 1988-230582	19880810
	US 5070080	A	19911203	US 1989-303747	19890130
	CA 2019466	AA	19911220	CA 1990-2019466	19900620
	CA 2019466	C	19960917		
	EP 463190	A1	19920102	EP 1990-111914	19900622
	EP 463190	B1	19940119		
	R: AT, BE, CH, DE, DK, FR, GB, GR, IT, LI, LU, NL, SE				
	AT 100316	E	19940215	AT 1990-111914	19900622
	EP 534033	A1	19930331	EP 1991-630075	19910926
	R: AT, BE, CH, DE, DK, FR, GB, GR, IT, LI, LU, NL, SE				
	CA 2053711	AA	19930419	CA 1991-2053711	19911018
	CA 2053711	C	19961112		
PRAI	US 1988-230582	A2	19880810		
	EP 1990-111914	A	19900622		

L34 ANSWER 41 OF 43 CAPLUS COPYRIGHT 2001 ACS
 AN 1987:616619 CAPLUS
 DN 107:216619
 TI Nutritional composition for enhancing skeletal muscle adaptation to exercise training
 IN Brantman, Eugene R.
 PA Nutri-Fuels Systems, Inc., USA
 SO U.S., 6 pp.
 CODEN: USXXAM
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	US 4687782	A	19870818	US 1984-680161	19841210
L34	ANSWER 42 OF 43 CAPLUS COPYRIGHT 2001 ACS				
AN	1981:423190 CAPLUS				
DN	95:23190				
TI	Instant energy chocolate candy composition				
PA	Morinaga Confectionery Co., Ltd., Japan				
SO	Jpn. Kokai Tokkyo Koho, 6 pp.				
	CODEN: JKXXAF				
DT	Patent				
LA	Japanese				
FAN.CNT	1				
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 56029955	A2	19810325	JP 1979-106166	19790821
L34	ANSWER 43 OF 43 CAPLUS COPYRIGHT 2001 ACS				
AN	1966:467821 CAPLUS				
DN	65:67821				
OREF	65:12666b-d				
TI	Metabolism of the heart of active athletes . State of the arteriovenous differences of amino acids and ammonia during rest and during and after physical exercise				
AU	Keul, J.; Doll, E.; Steim, H.; Singer, U.; Reindell, H.				
CS	Med. Univ.-Kiln., Freiburg, Germany				
SO	Klin. Wochschr. (1966), 44(15), 881-7				
DT	Journal				
LA	German				

=> s 16 and 110

L35 524 L6 AND L10

=> s 135 and defatted soy

7632 DEFATTED
11844 SOY
174 DEFATTED SOY
(DEFATTED(W) SOY)
L36 0 L35 AND DEFATTED SOY

=> d his

(FILE 'HOME' ENTERED AT 15:01:28 ON 07 JUN 2001)

FILE 'REGISTRY' ENTERED AT 15:01:33 ON 07 JUN 2001

L1 61 S LIPOIC ACID
L2 190 S CREATINE
L3 26099 S GLUTAMINE

FILE 'CAPLUS' ENTERED AT 15:02:41 ON 07 JUN 2001

L4 3943 S L1 OR LIPOIC ACID
L5 23928 S L2 OR CREATINE
L6 68207 S L3 OR GLUTAMINE
E ATHLETE
L7 0 S E3 E4 E8
E ATHLETE
L8 3178 S E3 OR E4 OR E8
E MUSCLE
L9 234014 S E3

E STRENGTH
 L10 646115 S E3
 L11 0 S WATER EXTRACTED SOY PROTEIN
 L12 2548 S SOY PROTEIN
 L13 37 S WATER EXTRACTED
 L14 0 S L12 AND L13
 E AQUIOUS
 E AQUEIOUS
 E SOLUBLE
 L15 63297 S E3
 L16 10 S L15 AND SOY PROTEIN
 L17 21 S NUTRISOY
 L18 0 S L17 AND L8
 L19 0 S L17 AND L9
 L20 1 S L17 AND L10
 L21 100 S DEFATTED SOY FLOUR
 L22 0 S L21 AND L8
 L23 0 S L21 AND L9
 L24 4 S L21 AND L10
 L25 0 S L21 AND SIET
 L26 13 S L21 AND DIET
 L27 0 S FOOD SUPLIMENT
 L28 1 S FOOD SUPPLIMENT
 L29 45 S L4 AND L5
 L30 11 S L29 AND L6
 L31 1 S L29 AND L8
 L32 10 S L29 AND L9
 L33 2 S L29 AND L10
 L34 43 S L6 AND L8
 L35 524 S L6 AND L10
 L36 0 S L35 AND DEFATTED SOY

=> s 135 and 19

L37 19 L35 AND L9

=> d 137 1-19

L37 ANSWER 1 OF 19 CAPLUS COPYRIGHT 2001 ACS
 AN 2001:145154 CAPLUS
 DN 134:162215
 TI Dietary supplement for boosting energy and increasing muscular
 strength
 IN Tuttle, B. David
 PA USA
 SO U.S., 4 pp.
 CODEN: USXXAM
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	---	-----	-----	-----
PI	US 6193973	B1	20010227	US 1997-917022	19970822
RE.CNT	13				
RE					

(1) Allan, G; Cardiovascular Research 1995, V30, P413
 (2) Christopher, H; Ginseng:The Energy Herb 1996, P24
 (6) Hultman, E; Journal of Applied Physiology 1996, V81(1), P232 CAPLUS
 (8) Liu; US 4708949 1987 CAPLUS
 (13) Zhao, K; Immunopharmacology 1990, V20, P225 MEDLINE
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L37 ANSWER 2 OF 19 CAPLUS COPYRIGHT 2001 ACS
 AN 2000:706285 CAPLUS
 DN 134:2824
 TI Proximate composition and nitrogenous extractive components in fish **muscle** and internal organs
 AU Song, XingAn; Hirata, Takashi; Sakaguchi, Morihiko
 CS Division of Applied Biosciences, Graduate School of Agriculture, Kyoto University, Kyoto, 606-8502, Japan
 SO Nippon Suisan Gakkaishi (2000), 66(2), 282-290
 CODEN: NSUGAF; ISSN: 0021-5392
 PB Nippon Suisan Gakkai
 DT Journal
 LA Japanese

L37 ANSWER 3 OF 19 CAPLUS COPYRIGHT 2001 ACS
 AN 1999:549369 CAPLUS
 DN 131:198614
 TI Immunological methods to modulate myostatin in vertebrate subjects
 IN Barker, Christopher A.; Morsey, Mohamad
 PA Biostar Inc., Can.
 SO PCT Int. Appl., 109 pp.
 CODEN: PIXXD2
 DT Patent
 LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9942573	A1	19990826	WO 1999-CA128	19990219
	W:				
	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ,				
TM					
	RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	AU 9925073	A1	19990906	AU 1999-25073	19990219
	EP 1056845	A1	20001206	EP 1999-904660	19990219
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
PRAI	US 1998-75213	P	19980219		
	WO 1999-CA128	W	19990219		

RE.CNT 6

RE

(1) Kambadur; GENOME RESEARCH 1997, V7(9), P910 CAPLUS
 (3) Michel, G; WO 9902667 A 1999 CAPLUS
 (4) Univ Johns Hopkins Med; WO 9421681 A 1994 CAPLUS
 (5) Univ Johns Hopkins Med; WO 9601845 A 1996 CAPLUS
 (6) Univ Johns Hopkins Med; WO 9833887 A 1998 CAPLUS
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L37 ANSWER 4 OF 19 CAPLUS COPYRIGHT 2001 ACS
 AN 1998:665121 CAPLUS
 DN 130:12543
 TI Effects of starvation and D- or L-alanine administration on the free D- and L-alanine levels in the **muscle** and hepatopancreas of the crayfish, *Procambarus clarkii*
 AU Okama, Emiko; Abe, Hiroki
 CS Department of Hematology, Research Institute, International Medical Center of Japan, Tokyo, 162-8655, Japan
 SO Comp. Biochem. Physiol., Part A: Mol. Integr. Physiol. (1998), 120A(4),

681-686
 CODEN: CBPAB5; ISSN: 1095-6433
 PB Elsevier Science Inc.
 DT Journal
 LA English
 RE.CNT 14
 RE
 (1) Corrigan, J; Science 1969, V164, P142 CAPLUS
 (3) Fujita, E; Comp Biochem Physiol 1997, V116A, P83 CAPLUS
 (4) Fujita, E; Fish Sci 1997, V63, P440 CAPLUS
 (6) Low, W; J Comp Physiol B 1996, V165, P558 CAPLUS
 (7) Matsushima, O; Comp Biochem Physiol 1992, V102A, P465 CAPLUS
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L37 ANSWER 5 OF 19 CAPLUS COPYRIGHT 2001 ACS
 AN 1998:649982 CAPLUS
 DN 129:281002
 TI Nutritional supplement for increased **muscle** size and
strength for body builders
 IN Gardiner, Paul T.
 PA Can.
 SO U.S., 9 pp.
 CODEN: USXXAM
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	US 5817329	A	19981006	US 1997-806124	19970228

L37 ANSWER 6 OF 19 CAPLUS COPYRIGHT 2001 ACS
 AN 1998:275553 CAPLUS
 DN 129:78346
 TI Inhibition of Calmodulin-Activated Smooth-Muscle Myosin
 Light-Chain Kinase by Calmodulin-Binding Peptides and Fluorescent
 (Phosphodiesterase-Activating) Calmodulin Derivatives
 AU Toeroek, Katalin; Cowley, David J.; Brandmeier, Birgit D.; Howell,
 Stephen; Aitken, Alastair; Trentham, David R.
 CS School of Biological Sciences Queen Mary and Westfield College,
 University
 of London, London, E1 4NS, UK
 SO Biochemistry (1998), 37(17), 6188-6198
 CODEN: BICHAW; ISSN: 0006-2960
 PB American Chemical Society
 DT Journal
 LA English

L37 ANSWER 7 OF 19 CAPLUS COPYRIGHT 2001 ACS
 AN 1997:768172 CAPLUS
 DN 128:33945
 TI Chemical and structural changes in dry-cured hams (Bayonne hams) during
 processing and effects of the dehairing technique
 AU Monin, G.; Marinova, Penka; Talmant, A.; Martin, J. F.; Cornet, Monique;
 Lanore, D.; Grasso, F.
 CS INRA, Station de Recherches sur la Viande, St Genes-Champanelle, 63122,
 Fr.
 SO Meat Sci. (1997), 47(1/2), 29-47
 CODEN: MESCDN; ISSN: 0309-1740
 PB Elsevier Science Ltd.
 DT Journal
 LA English

L37 ANSWER 8 OF 19 CAPLUS COPYRIGHT 2001 ACS

AN 1997:705306 CAPLUS
 DN 127:342225
 TI The beneficial effects of recombinant human insulin-like growth factor-I (IGF-I) on wound healing in severely wounded senescent mice
 AU Koshizuka, Shiro; Kanazawa, Kyotaro; Kobayashi, Nobuhisa; Takazawa, Izumi;
 Waki, Yoshinori; Shibusawa, Hiroyuki; Shumiya, Shogo
 CS Department of Surgery, Jichi Medical School, Minamikawachi, 329-04, Japan
 SO Surg. Today (1997), 27(10), 946-952
 CODEN: SUTOE5; ISSN: 0941-1291
 PB Springer
 DT Journal
 LA English

L37 ANSWER 9 OF 19 CAPLUS COPYRIGHT 2001 ACS
 AN 1997:96899 CAPLUS
 DN 126:85899
 TI [125I]Iberitoxin-D19Y/Y36F, the First Selective, High Specific Activity Radioligand for High-Conductance Calcium-Activated Potassium Channels
 AU Koschak, Alexandra; Koch, Robert O.; Liu, Jessica; Kaczorowski, Gregory J.; Reinhart, Peter H.; Garcia, Maria L.; Knaus, Hans-Guenther
 CS Institut fuer Biochemische Pharmakologie, Innsbruck, A-6020, Austria
 SO Biochemistry (1997), 36(7), 1943-1952
 CODEN: BICHAW; ISSN: 0006-2960
 PB American Chemical Society
 DT Journal
 LA English

L37 ANSWER 10 OF 19 CAPLUS COPYRIGHT 2001 ACS
 AN 1997:94439 CAPLUS
 DN 126:181574
 TI Effects of single nightly injections of growth hormone-releasing hormone (GHRH) 1-29 in healthy elderly men
 AU Vittone, Janet; Blackman, Marc R.; Busby-Whitehead, Jan; Tsiao, Chris; Stewart, Kerry J.; Tobin, Jordan; Stevens, Tom; Bellantoni, Michele F.; Rogers, Marc A.; Baumann, Gerhard; Roth, Jesse; Harman, S. Mitchell; Spencer Richard G. S.
 CS Dep. Medicine, Johns Hopkins Univ. School Medicine, Baltimore, MD, USA
 SO Metab., Clin. Exp. (1997), 46(1), 89-96
 CODEN: METAAJ; ISSN: 0026-0495
 PB Saunders
 DT Journal
 LA English

L37 ANSWER 11 OF 19 CAPLUS COPYRIGHT 2001 ACS
 AN 1994:479899 CAPLUS
 DN 121:79899
 TI changes in protein distribution in the rat during prolonged "systemic injury"
 AU Wusteman, Monica; Hayes, Adrian; Stirling, Dorothy; Elia, Marinos
 CS MRC Dunn Nutr. Unit, Cambridge, CB4 1XJ, UK
 SO J. Surg. Res. (1994), 56(4), 331-7
 CODEN: JSGRA2; ISSN: 0022-4804
 DT Journal
 LA English

L37 ANSWER 12 OF 19 CAPLUS COPYRIGHT 2001 ACS
 AN 1993:403211 CAPLUS
 DN 119:3211
 TI Respiration in the **muscle** mitochondria of the mudskipper, Boleophthalmus boddarti
 AU Chew, S. F.; Ip, Y. K.
 CS Sch. Sci. Nat., Nanyang Technol. Univ., Singapore, 1025, Singapore

SO Comp. Biochem. Physiol., B: Comp. Biochem. (1993), 104B(4), 681-8
 CODEN: CBPBB8; ISSN: 0305-0491
 DT Journal
 LA English

L37 ANSWER 13 OF 19 CAPLUS COPYRIGHT 2001 ACS

AN 1991:623484 CAPLUS

DN 115:223484

TI Use of heptapeptides in the treatment or prophylaxis of **muscle**
 wasting

IN Coy, David H.; Moreau, Jacques Pierre

PA Tulane Educational Fund, Inc., USA

SO Eur. Pat. Appl., 21 pp.

CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 427458	A2	19910515	EP 1990-311969	19901101
	EP 427458	A3	19910925		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
	ZA 9008610	A	19910828	ZA 1990-8610	19901026
	CA 2029268	AA	19910504	CA 1990-2029268	19901102
	JP 03271232	A2	19911203	JP 1990-298749	19901102
PRAI	US 1989-431339		19891103		

L37 ANSWER 14 OF 19 CAPLUS COPYRIGHT 2001 ACS

AN 1988:589224 CAPLUS

DN 109:189224

TI Embryonic exposure to high taurine: a possible nutritional contribution
 to Friedrich's ataxia

AU Van Gelder, N. M.; Belanger, F.

CS Cent. Rech. Sci. Neurol., Univ. Montreal, Montreal, PQ, H3C 3J7, Can.

SO J. Neurosci. Res. (1988), 20(3), 383-9

CODEN: JNREDK; ISSN: 0360-4012

DT Journal

LA English

L37 ANSWER 15 OF 19 CAPLUS COPYRIGHT 2001 ACS

AN 1988:18245 CAPLUS

DN 108:18245

TI Purification and characterization of GMP synthetase from Yoshida sarcoma
 ascites cells

AU Hirai, Keisuke; Matsuda, Yoshihiro; Nakagawa, Hachiro

CS Inst. Protein Res., Osaka Univ., Suita, 565, Japan

SO J. Biochem. (Tokyo) (1987), 102(4), 893-902

CODEN: JOBIAO; ISSN: 0021-924X

DT Journal

LA English

L37 ANSWER 16 OF 19 CAPLUS COPYRIGHT 2001 ACS

AN 1986:123484 CAPLUS

DN 104:123484

TI Differential effect of stimulation **strength** in mouse vas
 deferens on inhibition of neuroeffector transmission by receptor type
 selective opioids

AU Ramme, D.; Illes, P.

CS Dep. Pharmacol., Univ. Freiburg, Freiburg/Br., D-7800, Fed. Rep. Ger.

SO Naunyn-Schmiedeberg's Arch. Pharmacol. (1986), 332(1), 57-61

CODEN: NSAPCC; ISSN: 0028-1298

DT Journal

LA English

L37 ANSWER 17 OF 19 CAPLUS COPYRIGHT 2001 ACS
 AN 1984:420893 CAPLUS
 DN 101:20893
 TI Synaptic and non-synaptic effects of molluscan cardioexcitatory
 neuropeptides on locust skeletal **muscle**
 AU Walther, C.; Schiebe, M.; Voigt, K. H.
 CS Abt. Anat., Univ. Ulm, Ulm, D-7900, Fed. Rep. Ger.
 SO Neurosci. Lett. (1984), 45(1), 99-104
 CODEN: NELED5; ISSN: 0304-3940
 DT Journal
 LA English

L37 ANSWER 18 OF 19 CAPLUS COPYRIGHT 2001 ACS
 AN 1982:4200 CAPLUS
 DN 96:4200
 TI Muscular training through localized in vivo electrical stimulations
 AU Moorthy, C. V. Narasimha; Reddanna, P.; Govindappa, S.
 CS Dep. Zool., Sri Venkateswara Univ., Tirupati, 517 502, India
 SO Indian J. Physiol. Pharmacol. (1981), 25(3), 229-36
 CODEN: IJPPAZ; ISSN: 0019-5499
 DT Journal
 LA English

L37 ANSWER 19 OF 19 CAPLUS COPYRIGHT 2001 ACS
 AN 1977:168190 CAPLUS
 DN 86:168190
 TI Free amino acids in tissues of the skate Raja erinacea and the stingray
 Dasyatis sabina: effects of environmental dilution
 AU Boyd, Thomas A.; Cha, Chung-Ja; Forster, Roy P.; Goldstein, Leon
 CS Div. Biol. Med. Sci., Brown Univ., Providence, R. I., USA
 SO J. Exp. Zool. (1977), 199(3), 435-42
 CODEN: JEZAOO
 DT Journal
 LA English

=> d his

(FILE 'HOME' ENTERED AT 15:01:28 ON 07 JUN 2001)

FILE 'REGISTRY' ENTERED AT 15:01:33 ON 07 JUN 2001

L1 61 S LIPOIC ACID
 L2 190 S CREATINE
 L3 26099 S GLUTAMINE

FILE 'CAPLUS' ENTERED AT 15:02:41 ON 07 JUN 2001

L4 3943 S L1 OR LIPOIC ACID
 L5 23928 S L2 OR CREATINE
 L6 68207 S L3 OR GLUTAMINE
 E ATHLETE
 L7 0 S E3 E4 E8
 E ATHLETE
 L8 3178 S E3 OR E4 OR E8
 E MUSCLE
 L9 234014 S E3
 E STRENGTH
 L10 646115 S E3
 L11 0 S WATER EXTRACTED SOY PROTEIN
 L12 2548 S SOY PROTEIN
 L13 37 S WATER EXTRACTED
 L14 0 S L12 AND L13

E AQUIOUS
 E AQUEIOUS
 E SOLUBLE
 L15 63297 S E3
 L16 10 S L15 AND SOY PROTEIN
 L17 21 S NUTRISOY
 L18 0 S L17 AND L8
 L19 0 S L17 AND L9
 L20 1 S L17 AND L10
 L21 100 S DEFATTED SOY FLOUR
 L22 0 S L21 AND L8
 L23 0 S L21 AND L9
 L24 4 S L21 AND L10
 L25 0 S L21 AND SIET
 L26 13 S L21 AND DIET
 L27 0 S FOOD SUPLIMENT
 L28 1 S FOOD SUPPLIMENT
 L29 45 S L4 AND L5
 L30 11 S L29 AND L6
 L31 1 S L29 AND L8
 L32 10 S L29 AND L9
 L33 2 S L29 AND L10
 L34 43 S L6 AND L8
 L35 524 S L6 AND L10
 L36 0 S L35 AND DEFATTED SOY
 L37 19 S L35 AND L9

=>

---Logging off of STN---

=>

Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	236.59	255.56
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-5.29	-5.29

STN INTERNATIONAL LOGOFF AT 15:31:06 ON 07 JUN 2001